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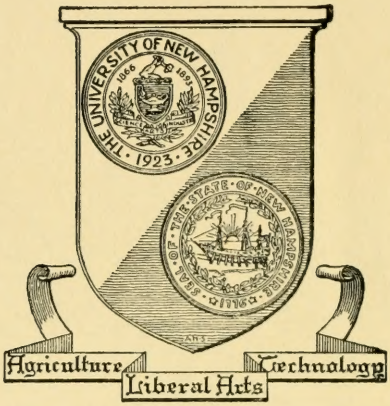

The University
of
New Hampshire

Bulletin 342 July, 1942

THE UNIVERSITY OF NEW HAMPSHIRE
AGRICULTURAL EXPERIMENT STATION

Inspection of Commercial Feedingstuffs 1942

Made for the
State Department of Agriculture

By T. O. Smith and H. A. Davis

The University of New Hampshire
Durham, N. H.

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INSPECTION OF COMMERCIAL FEEDINGSTUFFS

MADE FOR THE STATE DEPARTMENT OF AGRICULTURE

The inspection of commercial feedingstuffs reported in this bulletin was made under the direction of Honorable Andrew L. Felker, Commissioner of Agriculture. Mr. Harry West, State Inspector, collected samples of 461 brands of feedingstuffs which were offered for sale in the State during the year ending June, 1942. The 461 samples represent brands of 96 manufacturers.

REGISTRATION AND LABELING OF FEEDINGSTUFFS

Registration:—The New Hampshire law, entitled an Act to Regulate the Sale of Concentrated Commercial Feedingstuffs, requires registration with the Commissioner of Agriculture of each brand offered for sale. This is usually done by the manufacturer or jobber whether he is located within or outside the State. Feedingstuffs manufactured in other states frequently pass through several middlemen before they reach the local distributor. Under the provisions of the law if the manufacturer or jobber fails to make registration, the dealer is responsible. Dealers who purchase feed for resale must assure themselves the brands they purchase are properly registered and the license fee paid or assume that responsibility. The official charged with the administration of the law is the Commissioner of Agriculture. All matters relative to registration and all inquiries concerning the law should be addressed to the Commissioner of Agriculture, State House, Concord.

Labeling:—The law requires every manufacturer or dealer who shall sell or offer for sale any concentrated commercial feedingstuff to furnish with each package a clearly printed statement certifying the net weight of the feed contained in the package, the brand name or trademark under which the feed is sold, the name and address of the manufacturer, the ingredients of which the feed is composed, and a chemical analysis stating the minimum percentage only of protein and of fat and the maximum percentage only of crude fiber. This statement of chemical analysis complies with the amendment to the feedingstuffs law effective February 26, 1941. In order to secure greater uniformity in the labeling of feeds and in the statement of

ingredients, the Association of American Feed Control Officials has adopted definitions and standards. The Association has also approved twenty-one general regulations which "should be adopted by state officials as far as the statutes will permit." There are no conflicts with the New Hampshire feedingstuffs law in these regulations. Manufacturers and dealers are, therefore, expected to conform to the regulations of the association in all matters not specifically mentioned in the law.

One sentence in the New Hampshire feedingstuffs law reads as follows: "And shall state in bold type upon the container or a tag attached thereto, if a compounded feed, the names of the several ingredients therein contained." To avoid the misinterpretation or deception which may result from the manufacturer's using indefinite terms in listing the ingredients, the Association of American Feed Control Officials has adopted 162 official definitions of ingredients used in the compounding of feedingstuffs. These definitions are subject to frequent addition and revision. At the present time there are also 44 tentative definitions and 8 definitions that have been proposed for future discussion. Tentative definitions are those which have received favorable consideration, but have not yet been made official. A 77-page booklet containing the above three classes of definitions, the 21 general regulations and other instructive material may be obtained from the Secretary of the Association of American Feed Control Officials, College Park, Maryland, at one dollar per copy. The manufacturer should secure a copy of this booklet and list the ingredients accurately. Carelessness or indifference in listing the ingredients should create sales resistance in the buyer. The purchaser is warranted in concluding that the manufacturer who is inaccurate in specifying the ingredients printed on the tag may be careless in selecting the ingredients he puts into the bag.

PURPOSE OF THE FEEDINGSTUFFS LAW

The chief purpose of the feedingstuffs law is to protect the consumer against the inferior products which would doubtless soon appear on the market if the trade were not under state control. The law is primarily a correct-labeling act. It must not be assumed by the purchaser of feedingstuffs that every brand which meets the manufacturer's guarantee is a high-grade feed. The feedingstuffs law does not prevent the sale of a low-grade feed if it is properly licensed and tagged and is offered for sale in compliance with the law. It would not be in the public interest to legislate against the sale of the lower-grade by-products. They can be fed profitably if bought at a price adjusted to their feeding value. The law does prevent an inferior feed being offered for sale as a high-grade product.

The dealer in purchasing feed from the manufacturer, and the consumer in purchasing feed from the dealer, should make the specification that the feed delivered must comply with the New Hampshire feedingstuffs law. If the feed is not registered; if the protein, fat, and crude fiber are not guaranteed; and if the ingredients of which the feed is composed are not plainly stated on the bag, or on a tag attached thereto, the purchaser is not protected by the state feedingstuffs law. He then has no recourse under the feedingstuffs law if the feed which he purchases is of inferior quality. The dealer who offers for sale a feedingstuff which has not been registered and which is not guaranteed in compliance with the law is probably indifferent to his customer's interests in other respects. He does not merit either the confidence or the patronage of the consumer. The purchaser's co-operation in refusing to buy a feed which does not conform to the law in every respect will not only help in the enforcement of the law but will at the same time afford the purchaser himself the protection of the law. If the buyer fails to assure himself that the legal requirements have been met, he accepts the feedingstuff at his own risk.

Forty-six of the forty-eight states have a feedingstuffs law. The Association of American Feed Control Officials has drafted a Proposed Uniform Feed Law for the guidance of the state legislative bodies in amending present laws. If the forty-six state laws do not require uniform guarantees, interstate trade in feedingstuffs is restricted. Since some of the ingredients of feedingstuffs are not produced in all the states, it is not in the interest of the consumer to impose legal restrictions to interstate shipments. The New Hampshire feedingstuffs law was amended effective February 26, 1941 to omit the words, "the minimum percentage only of carbohydrates." Previous to the passing of this amendment which conforms to the Proposed Uniform Feed Law, New Hampshire was the only state requiring the carbohydrates guarantee. The analytical figures in this bulletin are identically the same values as those reported in 1941 and in previous years; but are presented in a different form to meet the requirements of the amended law. Nitrogen free extract is shown instead of carbohydrates. Total carbohydrates may be found by adding the nitrogen free extract and the crude fiber. The terms used in reporting the chemical analysis of a feedingstuff are briefly defined as follows:

Protein is a collective term for a considerable group of compounds, all of which contain nitrogen. Ingredients high in protein are usually more expensive than the other ingredients, making protein the most important nutrient for consideration in determining the commercial value of a feedingstuff. The nutritional value of the proteins varies widely; therefore a feed-

ingstuff should contain protein from several sources to insure inclusion of all essential types.

Fat is separated from the other components of a feedingstuff by extracting the moisture-free sample with anhydrous ether. In such ingredients as the cereals, the seed-meals and animal products, the extract is nearly pure fat. A few ingredients such as alfalfa meal contain some ether-soluble material which is not fat.

Moisture is present in all feedingstuffs. The amount varies somewhat with weather and storage conditions. The water content of a feedingstuff should be kept as low as possible to prevent spoilage.

Ash is the mineral residue remaining after the organic matter has been completely removed by burning. It contains such essential constituents as calcium, magnesium, phosphorus and sulphur, as well as some inert material of no nutritive value.

Fiber is composed of cellulose and related compounds. Since crude fiber has little feeding value, the law requires that the maximum fiber be guaranteed rather than the minimum as in protein and fat.

Nitrogen free extract includes the carbohydrates which are more readily digestible, such as starch and sugars. Nitrogen free extract is not usually determined directly by analysis but is found by subtracting the sum of the percentages of protein, fat, fiber, moisture and ash from one hundred per cent.

HOW COST OF INSPECTION AFFECTS PRICE

The cost of a feedingstuffs inspection includes the drawing and the analysis of the samples, and the publication and mailing of the annual bulletin. The State Legislature provides an annual appropriation to meet this cost and is remunerated by the feed manufacturers from license fees collected by the State Department of Agriculture. Since this cost is finally paid by the purchaser, he is interested in the effect of these costs on the retail price per ton. The 16th census of the United States Department of Commerce under the heading, specified farm expenditures, 1939, reports the retail value of feeds for domestic animals and poultry sold in New Hampshire in that year as $7,619,245. A calculation based on this valuation and the known costs of the inspection shows the cost to the purchaser is less than four cents per ton of feed, a fraction of a cent per one hundred pound bag.

SAMPLES FAILING TO COMPLY WITH THE LAW

Of the 461 brands analyzed, 28 brands or 6.1 per cent, were below guarantee in protein. Twelve of these were less than one-half per cent below

guarantee. Thirty-eight brands, or 8.2 per cent, were below guarantee in fat. Seventeen of these were less than one-fourth per cent below guarantee. Thirty-four brands, or 7.4 per cent, contained an excessive amount of crude fiber.

In the tabulation of the analytical figures, p. 12 to p. 58 inclusive, those figures one-half per cent or more below guarantee in protein, one-fourth per cent or more below guarantee in fat, and one per cent or more above guarantee in crude fiber are printed in bold-face type.

Table 1 shows the percentage of samples failing to conform to the guarantee in each of the last seventeen years.

TABLE 1. PERCENTAGE OF SAMPLES ANALYZED IN YEARS 1926-1942 NOT CONFORMING TO GUARANTEES

Year	Per cent below guarantee in Protein		Per cent below guarantee in Fat		Per cent high in Crude Fiber
	Less than 0.5 per cent	0.5 per cent or more	Less than 0.25 per cent	0.25 per cent or more	
1926	8.0	16.0	4.0	10.0	6.0
1927	8.3	16.4	5.8	13.6	5.9
1928	9.1	20.7	4.3	9.3	7.9
1929	9.5	20.2	2.8	9.3	6.5
1930	4.8	13.1	4.0	8.0	3.9
1931	1.8	7.2	5.9	9.7	5.3
1932	1.8	1.4	5.0	8.1	2.8
1933	1.3	3.6	7.5	9.8	3.6
1934	3.0	3.4	3.9	7.1	9.8
1935	2.4	3.0	4.2	8.5	9.9
1936	2.9	5.2	5.5	8.3	12.2
1937	2.8	4.2	3.0	6.0	11.0
1938	2.9	8.1	9.8	10.8	11.5
1939	1.9	3.3	6.8	9.3	8.7
1940	2.9	4.0	6.2	6.7	7.5
1941	1.1	2.6	4.7	6.7	5.6
1942	2.6	3.5	3.7	4.5	7.4

REQUESTS BY INDIVIDUALS FOR THE ANALYSIS OF FEEDINGSTUFFS

Under the feedingstuffs law the Agricultural Experiment Station is charged only with the analysis of samples of feedingstuffs collected by the State Inspector under the direction of the Commissioner of Agriculture. It does, however, each year analyze a considerable number of samples drawn by individuals representing stock purchased by them for their own use. The object of the purchaser who asks to have the sample analyzed is usually to satisfy himself whether the feed meets its guarantee and if it does not, to obtain evidence upon which to base a claim for shortage.

The Station can assume no responsibility for the sampling of these unofficial samples but can attest only the accuracy of the analysis of the sample as submitted. It is practically impossible to secure a representative sample of a feedingstuff composed of several ingredients varying widely in composition without the aid of a sampling tube for drawing the sample and proper equipment for mixing it. A feed may contain as one of its ingredients gluten meal averaging 40 per cent protein, and as another ingredient oat mill feed averaging five per cent protein. These materials are so different in physical condition that the shaking in transit tends to separate them even though they may have been perfectly mixed by the manufacturer before bagging. It is apparent that an accurate sample of a ton of this feed can only be had by drawing a core from several bags. The official method requires ten. Since a representative sample is as essential as an accurate analysis in judging the value of a shipment of feed, it is evident that a satisfactory adjustment can seldom be effected on the basis of an unofficial sample.

Notwithstanding the objections which may be raised to the analysis of samples taken without proper sampling equipment, the Station is disposed to continue this work as long as there is evidence that it constitutes a useful service. The samples so submitted should be drawn from at least ten bags in a manner which will insure that the small lot sent for analysis is as accurately representative as possible of the large lot from which it is taken. Because of the cost of labor and materials, an analysis is not usually warranted on a sample drawn from less than a one-ton lot of feed.

A one pound sample is sufficient for the analysis. It should be sent in a glass jar or tin box to prevent loss of fine particles or a change in the moisture content. In order that the department may have a satisfactory record of the sample analyzed, and may know whether or not the manufacturer and the dealer are complying with the requirements of the law, the following information should be submitted concerning each sample.

Brand .....

Manufacturer .....

Address .....

Guarantee:

Protein .....

Fat .....

Crude Fiber .....

Ingredients .....

.....

.....

Dealer .....

Address .....

Number of bags in lot .....

Number of bags sampled .....

Price per 100 pounds .....

Your name .....

Your address .....

Your reason for requesting analysis .....

.....

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Allied Mills, Inc., Chicago, Ill.								
Economy 20% Dairy Feed	*G.	20.00	3.50	11.00	.....	.....	.....	Soybean oil meal, cottonseed meal, yellow corn meal, corn distillers' dried grains, brewers' dried grains, corn gluten feed, ground oats, ground barley, wheat bran, cane molasses, 1.5% ground limestone, 0.03% steamed bone meal, 0.03% iron oxide, 1% iodized salt.
	*F.	23.03	4.13	7.74	9.75	6.77	48.58	
Economy Laying Mash	G.	18.00	3.50	8.00	.....	.....	.....	Meat scraps, soybean oil meal, corn gluten meal, corn gluten feed, wheat standard middlings, fine ground oats, wheat bran, yellow corn meal, rye middlings, cane molasses, 3% ground limestone, 0.5% salt, fortified sardine oil.
	F.	19.39	4.31	4.61	10.07	7.31	54.31	
Wayne All Mash Egg	G.	15.00	3.50	8.00	.....	.....	.....	Animal liver meal, riboflavin concentrate, fish meal, dried skimmed milk, dehydrated alfalfa meal, soybean oil meal, meat scraps, corn gluten meal, wheat standard middlings, corn gluten feed, fine ground oats, wheat bran, yellow corn meal, 0.05% manganese sulphate, 3.6% ground limestone, 0.05% iron oxide, 0.25% iodized salt, fortified sardine oil.
	F.	16.81	4.48	6.73	9.69	7.83	54.46	
Wayne Breeder Mash	G.	20.00	3.50	8.00	.....	.....	.....	Animal liver meal, riboflavin concentrate, fish meal, dried skimmed milk, dehydrated alfalfa meal, soybean oil meal, meat scraps, corn gluten meal, wheat standard middlings, corn gluten feed, fine ground oats, wheat bran, yellow corn meal, 0.04% manganese sulphate, 2.7% ground limestone, 0.04% iron oxide, 0.2% iodized salt, fortified sardine oil.
	F.	20.58	5.71	6.35	9.13	8.74	49.49	
Wayne Chick and Broiler Ration	G.	19.00	3.50	8.00	.....	.....	.....	Animal liver meal, riboflavin concentrate, fish meal, dried skimmed milk, dehydrated alfalfa meal, soybean oil meal, meat scraps, corn gluten meal, wheat standard middlings, fine ground oats, wheat bran, yellow corn meal, 0.03% manganese sulphate, 1.8% ground limestone, 0.03% iron oxide, 0.15% iodized salt, fortified sardine oil.
	F.	20.00	4.64	5.89	9.04	7.28	53.15	
Wayne Complete Calf Feed	G.	16.00	3.30	9.00	.....	.....	.....	Soybean oil meal, cottonseed meal, old process linseed oil meal, cocoanut oil meal, corn gluten meal, wheat red dog, yellow corn meal, corn distillers' dried grains, brewers' dried grains, wheat bran, dried skimmed milk, wheat standard middlings, dehydrated alfalfa meal, crimped oats, ground oats, cane molasses, beet molasses, 1.5% ground limestone, 0.3% steamed bone meal, 0.03% iron oxide, 1% iodized salt, fortified sardine oil.
	F.	17.86	4.14	7.32	9.50	7.40	53.78	
Wayne 16% Dairy Feed	G.	16.00	3.50	9.00	.....	.....	.....	Corn distillers' dried grains, cottonseed meal, brewers' dried grains, corn gluten feed, old process linseed oil meal, yellow corn meal, hominy meal, soybean oil meal, ground oats, crimped oats, wheat bran, cane molasses, 1.5% ground limestone, 0.3% steamed bone meal, 0.03% iron oxide, 1% iodized salt.
	F.	17.82	4.27	7.20	9.45	7.09	54.17	
Wayne 20% Dairy Feed	G.	20.00	4.00	9.00	.....	.....	.....	Corn distillers' dried grains, corn gluten feed, corn gluten meal, old process linseed oil meal, ground oats, cottonseed meal, wheat bran, yellow corn meal, hominy meal, brewers' dried grains, soybean oil meal, cane molasses, 1.5% ground limestone, 0.3% steamed bone meal, 0.03% iron oxide, 1% iodized salt.
	F.	22.68	4.14	8.34	9.61	7.58	47.65	
Wayne Egg Mash	G.	20.00	3.50	8.00	.....	.....	.....	Animal liver meal, riboflavin concentrate, fish meal, dried skimmed milk, dehydrated alfalfa meal, soybean oil meal, meat scraps, wheat standard middlings, corn gluten feed, fine ground oats, wheat bran, yellow corn meal, 0.04% manganese sulphate, 2.7% ground limestone, 0.04% iron oxide, 0.2% iodized salt, fortified sardine oil.
	F.	20.18	4.95	6.49	9.26	8.72	50.40	

Wayne Fitting Ration	G.	12.00	3.50	9.00	.....	.....	.....	Corn distillers' dried grains, yellow corn meal, hominy meal, soybean oil meal, crimped oats, ground oats, old process linseed oil meal, wheat bran, brewers' dried grains, cane molasses, 1.5% ground limestone, 0.3% steamed bone meal, 0.03% iron oxide, 1% iodized salt.
	F.	13.53	4.63	6.66	9.68	7.19	58.31	
Wayne Flushing Mash	G.	20.00	3.00	6.00	.....	.....	.....	Dried whey, fish meal, soybean oil meal, meat scraps, wheat standard middlings, wheat bran, yellow corn meal, 0.03% manganese sulphate, 1.8% ground limestone, 0.03% iron oxide, **0.15% iodized salt.**
	F.	21.37	3.67	3.73	9.63	8.02	53.58	
Wayne Growing Mash	G.	16.00	3.50	7.00	.....	.....	.....	Animal liver meal, riboflavin concentrate, fish meal, dried skimmed milk, dehydrated alfalfa meal, soybean oil meal, meat scraps, corn gluten meal, wheat standard middlings, fine ground oats, wheat bran, yellow corn meal, 0.04% manganese sulphate, 2.7% ground limestone, 0.04% iron oxide, 0.2% iodized salt, fortified sardine oil.
	F.	16.99	5.30	6.33	9.78	7.26	54.34	
Wayne Mash Concentrate	G.	36.00	3.50	8.00	.....	.....	.....	Animal liver meal, riboflavin concentrate, dried skimmed milk, fish meal, dehydrated alfalfa meal, soybean oil meal, meat scraps, corn gluten meal, corn gluten feed, 0.1% manganese sulphate (not less than 0.0246% Mn), 7.2% ground limestone (not less than 2.88% Ca), 0.1% iron oxide (not less than 0.1% Fe_2O_3), 0.5% iodized salt (not more than 0.5% iodized NaCl).
	F.	35.64	3.97	7.51	9.21	19.62	24.05	
Wayne 26% Mash Supplement	G.	26.00	3.50	10.00	.....	.....	.....	Animal liver meal, riboflavin concentrate, fish meal, dried skimmed milk, dehydrated alfalfa meal, soybean oil bean, meat scraps, corn gluten meal, wheat standard middlings, corn gluten feed, wheat bran, 0.06% manganese sulphate, 4.5% ground limestone, 0.06% iron oxide, 0.3% iodized salt, fortified sardine oil.
	F.	26.31	5.23	8.82	8.34	15.63	35.67	
Wayne Sugarine 17% Dairy Feed	G.	17.00	3.00	12.00	.....	.....	.....	Corn distillers' dried grains, brewers' dried grains, soybean oil meal, corn gluten feed, cottonseed meal, corn meal, wheat bran, ground corn and wheat screenings, oat mill feed (oat hulls, oat shorts, oat middlings), cane molasses, 1.5% ground limestone, 0.3% steamed bone meal, 0.03% iron oxide, 1% iodized salt.
	F.	20.01	3.35	8.59	9.06	9.57	49.42	
Wayne Turkey Growing Mash	G.	20.00	3.50	8.00	.....	.....	.....	Animal liver meal, riboflavin concentrate, fish meal, dried skimmed milk, dehydrated alfalfa meal, soybean oil meal, meat scraps, corn gluten meal, wheat standard middlings, fine ground oats, wheat bran, yellow corn meal, 0.04% manganese sulphate, 2.7% ground limestone, 0.04% iron oxide, 0.2% iodized salt, fortified sardine oil.
	F.	21.19	4.55	5.66	9.42	9.44	49.74	
American Maize Products Co., Roby, Ind.								
Amaizo Sweetened Gluten Feed	G.	18.00	1.50	9.50	.....	.....	.....	Corn gluten feed, corn sugar molasses.
	F.	25.70	4.54	8.27	5.89	6.23	49.37	
Cream of Corn Gluten Feed	G.	23.00	2.00	9.50	.....	.....	.....	
	F.	25.39	3.46	8.04	7.81	5.68	49.62	
Archer-Daniels-Midland Co., Minneapolis, Minn.								
Archer Brand 41% Protein Soybean Oil Meal	G.	41.00	4.00	7.00	.....	.....	.....	Soybean oil meal.
	F.	45.31	4.15	5.79	9.66	5.82	29.27	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Old Process Linseed Meal	G.	32.00	4.50	9.00	.....	.....	.....	Ground linseed cake.
	F.	33.23	5.36	8.09	8.58	5.94	38.80	
Ashcraft-Wilkinson Co., Atlanta, Ga.								
Cow Eta Brand 43% Prime Quality Cottonseed Meal	G.	43.00	5.25	12.00	.....	.....	.....	
	F.	46.25	6.35	7.77	6.27	6.63	26.73	
Cow Eta Brand 41% Protein Cottonseed Meal	G.	41.00	5.00	13.00	.....	.....	.....	
	F.	**40.37**	6.09	11.08	6.57	5.97	29.92	
Dried Citrus Pulp and Molasses	G.	7.50	5.00	15.00	.....	.....	.....	Dehydrated grapefruit and orange pulp and Florida cane molasses to which have been added total 1% mineral mixture consisting of dicalcium phosphate, oyster shell flour, calcium hydrate, copper sulphate, oxide of iron.
	F.	7.50	**3.43**	13.18	8.48	9.08	58.33	
O. E. Auerbach, Inc., Buffalo, N. Y.								
Niagara Dried Skim Milk	G.	32.00	0.50	.....	.....	.....	.....	Solids of liquid milk.
	F.	32.84	0.69	.....	4.94	8.15	.....	
E. W. Bailey & Co., Montpelier, Vt.								
Bailey's B-20	G.	20.00	3.50	13.00	.....	.....	.....	Corn gluten feed, soybean oil meal, cottonseed meal, linseed oil meal, wheat bran, white hominy feed, yellow corn meal, dried brewers' grains, oat meal mill by-products (oat middlings, oat hulls, oat shorts), cane molasses, steamed bone meal, calcium carbonate, salt.
	F.	21.19	3.99	10.74	9.07	6.83	48.18	
Bailey's 20 Special	G.	20.00	3.50	9.00	.....	.....	.....	Corn gluten feed, soybean oil meal, cottonseed meal, wheat standard middlings, wheat bran, yellow corn meal, white hominy feed, oat meal mill by-products (oat middlings, oat hulls, oat shorts), molasses, salt, edible bone meal, calcium carbonate.
	F.	22.59	3.50	8.27	8.44	8.78	48.42	
Bailey's Capital Dairy Ration	G.	24.00	4.25	8.00	.....	.....	.....	Corn gluten feed, yellow corn meal, white hominy feed, ground oats, wheat bran, linseed oil meal, cottonseed meal, soybean oil meal, salt, calcium carbonate, bone meal, cane molasses.
	F.	25.52	4.34	7.05	9.57	8.87	44.65	
Bailey's Capital Wheat Mixed Feed	G.	15.00	3.50	7.00	.....	.....	.....	Wheat bran, wheat red dog flour.
	F.	16.90	3.89	6.21	11.20	4.57	57.23	
Bailey's 18% Dairy Ration	G.	18.00	4.00	8.00	.....	.....	.....	Corn distillers' dried grains, corn gluten feed, brewers' dried grains, ground oats, ground barley, hominy feed, yellow corn meal, soybean oil meal, linseed oil meal, wheat bran, dried molasses, citrus pulp, salt, steamed bone meal, calcium carbonate, cane molasses, irradiated brewers' type yeast.
	F.	19.79	4.64	8.26	9.86	6.87	50.58	

Bailey's Favorite Dairy Ration	G.	20.00	4.00	7.50	.....	.....	.....	Corn gluten feed, yellow corn meal, white hominy feed, ground oats, wheat standard middlings, wheat bran, linseed oil meal, cottonseed meal, soybean oil meal, salt, calcium carbonate, edible bone meal, cane molasses.
	F.	23.29	4.06	6.83	8.89	8.17	48.76	
Bailey's Fitting Ration	G.	14.00	4.00	8.00	.....	.....	.....	Yellow corn meal, white hominy feed, wheat bran, linseed oil meal, soybean oil meal, crimped oats, ground oats, salt, calcium carbonate, bone meal, cane molasses, fortified A and D feeding oil.
	F.	14.41	4.61	7.07	10.26	7.86	55.79	
Bailey's Pennant Brand Breeder Mash	G.	20.00	4.00	7.00	.....	.....	.....	Dried whey, dried milk albumen, flavin concentrate, ground oats, ground barley, meat scraps, fish meal, blood flour, soybean oil meal, wheat red dog flour, wheat standard middlings, wheat bran, yellow corn meal, corn gluten meal, dehydrated alfalfa meal, locust bean meal, rice polishings, salt, calcium carbonate, bone meal, potassium iodide, manganese sulphate, wheat germ oil, fortified vitamin A and D feeding oil, D-activated animal sterol (vitamin D).
	F.	**19.11**	4.23	5.65	9.96	8.69	52.06	
Bailey's Pennant Brand Chick Starter	G.	18.00	4.00	6.50	.....	.....	.....	Dried whey, dried milk albumen, ground oats, ground barley, meat scraps, fish meal, blood flour, soybean oil meal, wheat red dog flour, wheat standard middlings, wheat bran, yellow corn meal, dehydrated alfalfa meal, locust bean meal, rice polishings, salt, calcium carbonate, bone meal, potassium iodide, manganese sulphate, wheat germ oil, fortified vitamin A and D feeding oil, D-activated animal sterol (vitamin D).
	F.	18.21	4.35	5.59	10.53	8.54	52.78	
Bailey's Pennant Brand Complete Grower	G.	14.00	4.00	6.50	.....	.....	.....	Dried skimmed milk, dried whey, lactoflavin concentrate, fine ground oats, fine ground barley, meat scraps, fish meal, soybean oil meal, wheat standard middlings, wheat bran, yellow corn meal, dehydrated alfalfa meal, salt, calcium carbonate, charcoal, manganese sulphate, fortified A and D feeding oil.
	F.	16.16	4.35	5.68	10.58	5.94	57.29	
Bailey's Pennant Brand Complete Layer-Breeder	G.	15.50	4.00	7.00	.....	.....	.....	Dried whey, dried milk albumen, flavin concentrate, ground oats, ground barley, meat scraps, fish meal, blood flour, soybean oil meal, wheat red dog flour, wheat standard middlings, wheat bran, yellow corn meal, corn gluten meal, dehydrated alfalfa meal, locust bean meal, rice polishings, salt, calcium carbonate, bone meal, potassium iodide, manganese sulphate, wheat germ oil, fortified vitamin A and D feeding oil, D-activated animal sterol (vitamin D).
	F.	17.16	4.08	5.29	10.81	7.24	55.42	
Bailey's Pennant Brand Growing Mash	G.	15.00	4.50	6.50	.....	.....	.....	Dried skimmed milk, dried milk albumen, fine ground oats, fine ground barley, meat scraps, fish meal, blood flour, soybean oil meal, wheat red dog flour, wheat standard middlings, wheat bran, yellow corn meal, dehydrated alfalfa meal, locust bean meal, rice polishings, salt, calcium carbonate, bone meal, charcoal, potassium iodide, manganese sulphate, fortified A and D feeding oil, wheat germ oil.
	F.	18.34	4.40	5.89	10.25	8.27	52.85	
Bailey's Pennant Brand Horse Feed	G.	10.50	3.50	9.00	.....	.....	.....	Crimped oats, cut alfalfa, cracked corn, wheat bran, linseed oil meal, cane molasses, salt.
	F.	11.82	4.06	6.53	11.87	4.01	61.71	
Bailey's Pennant Brand Laying Mash	G.	20.00	4.50	7.00	.....	.....	.....	Dried skimmed milk, dried milk albumen, fine ground oats, fine ground barley, meat scraps, fish meal, blood flour, soybean oil meal, wheat red dog flour, wheat standard middlings, wheat bran, yellow corn meal, corn gluten feed, dehydrated alfalfa meal, locust bean meal, rice polishings, salt, calcium carbonate, bone meal, charcoal, potassium iodide, manganese sulphate, fortified A and D feeding oil, wheat germ oil.
	F.	20.97	4.54	6.06	9.01	12.51	46.91	
Bailey's Pennant Brand Laying Pellets	G.	15.00	4.00	7.00	.....	.....	.....	Dried skimmed milk, dried whey, lactoflavin concentrate, pulverized oats, fine ground barley, meat scraps, fish meal, soybean oil meal, wheat standard middlings, wheat bran, yellow corn meal, cane molasses, dehydrated alfalfa meal, salt, calcium carbonate, charcoal, manganese sulphate, fortified A and D feeding oil.
	F.	16.90	4.00	5.47	10.39	7.59	55.65	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Bailey's Pennant Brand Pig Feed	G.	17.50	4.00	6.50	.....	.....	.....	Wheat red dog flour, wheat standard middlings, yellow corn meal, corn gluten feed, ground oats, ground barley, soybean oil meal, linseed oil meal, dehydrated alfalfa meal, meat scraps, salt, calcium carbonate, bone meal, cane molasses, fortified A and D feeding oil.
	F.	17.51	4.00	5.74	10.66	7.63	54.46	
Bailey's Pennant Brand Special Egg Ration	G.	18.50	3.50	7.00	.....	.....	.....	Flavin concentrate, fish meal, meat scraps, corn gluten meal, soybean oil meal, dehydrated alfalfa meal, yellow corn meal, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, salt, manganese sulphate, D-activated animal sterol (vitamin D).
	F.	**17.29**	3.73	5.77	10.25	8.69	54.27	
Bailey's Pennant Brand Stock Feed	G.	9.50	3.50	12.00	.....	.....	.....	White hominy feed, ground oats, ground barley, linseed oil meal, oat meal mill by-products (oat middlings, oat hulls, oat shorts), salt, calcium carbonate, steamed bone meal, cane molasses.
	F.	11.60	4.49	9.18	9.78	5.72	59.23	
Bailey's Twentieth Century 16 Dairy Ration	G.	16.00	4.00	9.00	.....	.....	.....	Corn gluten feed, corn distillers' dried grains, brewers' dried grains, yellow corn meal, white hominy feed, ground oats, ground barley, wheat bran, linseed oil meal, soybean oil meal, cottonseed meal, dried beet pulp, salt, calcium carbonate, bone meal, cane molasses.
	F.	17.56	4.77	8.49	9.47	6.54	53.17	
Bailey's Twentieth Century 20 Dairy Ration	G.	20.00	4.00	9.00	.....	.....	.....	Corn gluten feed, corn distillers' dried grains, brewers' dried grains, yellow corn meal, white hominy feed, ground oats, ground barley, wheat bran, linseed oil meal, soybean oil meal, cottonseed meal, dried beet pulp, salt, calcium carbonate, bone meal, cane molasses.
	F.	21.54	4.32	8.37	9.61	8.89	47.27	
Blatchford Complete Calf Ration	G.	19.50	3.00	9.50	.....	.....	.....	Anise, dried milk albumen, locust bean meal, rice polishings, blood flour, cocoa, cocoanut oil meal, soybean oil meal, red dog flour, standard wheat middlings, potassium iodide, ground beans, barley meal, cottonseed meal, linseed oil meal, irradiated yeast, calcium phosphate (bone meal), salt mixed with corn meal, crushed oats, wheat bran, alfalfa meal, dried beet pulp, molasses.
	F.	20.62	3.81	9.74	9.97	6.68	49.18	
G. N. Bartemus Co., Concord, N. H.								
Bailey's Hillsboro 20% Dairy Ration	G.	20.00	4.00	8.00	.....	.....	.....	Corn meal, corn distillers' grains, wheat bran, ground oats, ground barley, cottonseed meal, linseed oil meal, soybean oil meal, corn gluten meal, calcium carbonate, salt, bone meal, molasses.
	F.	21.01	4.55	6.45	10.76	6.02	51.21	
Barco All Purpose Mash	G.	18.00	4.00	6.80	.....	.....	.....	Corn meal, wheat red dog flour, wheat bran, standard wheat middlings, ground oats, 20% dehydrated alfalfa leaf meal, soybean meal, dried skimmed milk, 50% meat scraps, fish meal, ground limestone, salt, concentrated cod liver oil, manganese sulphate, D-activated animal sterol.
	F.	**16.84**	4.27	6.09	10.10	6.87	55.83	

Barco Calf Meal	G.	22.00	4.00	5.00	.....	.....	.....	Red dog middlings, corn flour, feeding oat meal, linseed, soybean meal, fenugreek seed, skimmed milk, anise seed, nopco xx oil, salt.
	F.	22.02	4.13	4.30	9.69	4.71	55.15	
Barco Calf Ration	G.	18.00	4.00	8.00	.....	.....	.....	Wheat bran, soybean oil meal, corn gluten meal, calf manna, crimped oats, dried beet pulp, coarse ground corn meal, alfalfa meal, wheat brown middlings, molasses, ground limestone, salt, cod liver oil.
	F.	18.91	3.79	8.61	9.85	6.18	52.66	
Barco Dry Cow and Freshening Ration	G.	15.00	4.00	10.00	.....	.....	.....	Wheat bran, soybean oil meal, corn gluten meal, crimped oats, dried beet pulp, coarse ground corn meal, alfalfa meal, wheat brown middlings, molasses, ground limestone, salt, cod liver oil.
	F.	16.81	4.74	9.99	9.05	7.18	52.23	
Beacon Milling Co., Cayuga, N. Y.								
Auburn Dairy Feed	G.	20.00	3.75	10.00	.....	.....	.....	Corn gluten feed, old process linseed oil meal, soybean oil meal, ground oats, corn meal, ground grain screenings, cottonseed meal, wheat bran, ground barley, corn distillers' dried grains, feeding molasses, 1% salt, 1% steamed bone meal.
	F.	20.31	3.82	6.93	9.44	7.78	51.72	
Beacon Battery Laying Ration ..	G.	16.00	4.00	7.75	.....	.....	.....	Dried skimmed milk (feeding), liver meal, fish meal, meat scraps, dehydrated alfalfa leaf meal, pulverized heavy oats, pulverized heavy barley, wheat bran, wheat flour middlings, corn meal, wheat germ meal, riboflavin concentrate, fine charcoal, ½% fine salt, fortified cod liver oil, 2% calcium carbonate, 45 p.p.m. anhydrous manganese sulphate.
	F.	16.85	5.14	6.22	8.81	9.62	53.36	
Beacon Breeders' Mash	G.	20.00	4.00	7.50	.....	.....	.....	Dried skimmed milk (feeding), liver meal, dehydrated alfalfa leaf meal, corn meal, pulverized heavy oats, pulverized heavy barley, wheat bran, wheat flour middlings, wheat germ meal, riboflavin concentrate, fortified cod liver oil, ½% fine salt, 3% calcium carbonate, 70 p.p.m. anhydrous manganese sulphate, meat scraps, fish meal.
	F.	20.97	5.91	6.93	7.89	11.66	46.64	
Beacon Broiler Feed	G.	18.50	4.00	7.00	.....	.....	.....	Dried skimmed milk (feeding), liver meal, meat scraps, fish meal, ground yellow corn, pulverized heavy oats, wheat bran, wheat red dog, wheat germ meal, corn gluten meal, dehydrated alfalfa leaf meal, riboflavin concentrate, fortified cod liver oil, 2½% calcium carbonate, ½% salt, 35 p.p.m. anhydrous manganese sulphate.
	F.	25.26	5.20	4.43	10.20	7.24	47.67	
Beacon 22 Egg Mash	G.	22.00	4.50	7.50	.....	.....	.....	Dried skimmed milk (feeding), liver meal, meat scraps, fish meal, pulverized heavy barley, pulverized heavy oats, corn meal, dehydrated alfalfa leaf meal, wheat bran, wheat flour middlings, wheat germ meal, riboflavin concentrate, fortified cod liver oil, 3% calcium carbonate, ½% fine salt, 70 p.p.m. anhydrous manganese sulphate.
	F.	23.25	6.18	5.59	8.16	11.91	44.91	
Beacon Fleshing Pellets	G.	15.00	3.50	7.50	.....	.....	.....	Dried skimmed milk (feeding), liver meal, pulverized heavy oats, pulverized heavy barley, dehydrated alfalfa leaf meal, wheat low grade flour, corn meal, corn oil meal, wheat germ meal, riboflavin concentrate, fortified cod liver oil, 2½% calcium carbonate, 1% salt, 70 p.p.m. anhydrous manganese sulphate.
	F.	16.72	3.95	7.18	8.93	8.35	54.87	
Beacon 18 Growing Mash	G.	18.00	4.00	7.50	.....	.....	.....	Dried skimmed milk (feeding), liver meal, meat scraps, fish meal, pulverized heavy oats, pulverized heavy barley, corn meal, wheat red dog, dehydrated alfalfa leaf meal, wheat bran, wheat flour middlings, wheat germ meal, riboflavin concentrate, fortified cod liver oil, 2% calcium carbonate, ½% salt, 70 p.p.m. anhydrous manganese sulphate.
	F.	17.75	5.52	6.64	7.51	9.61	52.97	
Beacon Horse Feed	G.	10.00	3.00	9.00	.....	.....	.....	Cracked corn, crimped oats, crushed barley, cut alfalfa, old process linseed oil meal, feeding molasses, 1% calcium carbonate, 1% salt.
	F.	11.47	3.66	8.51	9.58	4.58	62.20	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Beacon 20 Laying Mash	G.	20.00	4.00	7.50	.....	.....	.....	Dried skimmed milk (feeding), liver meal, fish meal, meat scraps, corn meal, dehydrated alfalfa leaf meal, wheat bran, wheat flour middlings, pulverized heavy barley, pulverized heavy oats, wheat germ meal, riboflavin concentrate, fortified cod liver oil, 3% calcium carbonate, ½% salt, 70 p.p.m. anhydrous manganese sulphate.
	F.	20.92	5.84	5.88	9.57	10.96	46.83	
Beacon Sweet 20	G.	20.00	4.00	9.00	.....	.....	.....	Old process linseed oil meal, soybean oil meal, corn distillers' dried grains, cottonseed meal, wheat bran, wheat middlings, corn gluten meal, corn gluten feed, ground barley, corn meal, ground oats, feeding molasses, 1% salt, 1% steamed bone meal.
	F.	20.93	4.19	6.49	10.63	5.26	52.50	
Beacon Sweet 24	G.	24.00	4.00	9.00	.....	.....	.....	Old process linseed oil meal, soybean oil meal, corn gluten meal, cottonseed meal, corn gluten feed, corn distillers' dried grains, wheat bran, wheat middlings, ground oats, ground barley, feeding molasses, 1% salt, 1% calcium carbonate, 1% steamed bone meal.
	F.	24.52	4.15	6.46	8.99	6.98	48.90	
Beacon Test Cow Ration	G.	18.00	4.75	9.00	.....	.....	.....	Old process linseed oil meal, cottonseed meal, corn distillers' dried grains, soybean oil meal, corn gluten feed, corn meal, wheat bran, crushed oats, crushed barley, feeding molasses, 1% salt, 1% steamed bone meal.
	F.	19.87	4.81	7.36	10.40	6.10	51.46	
Beacon Turkey and Game Bird Breeder Mash	G.	22.00	4.00	7.50	.....	.....	.....	Dried skimmed milk (feeding), liver meal, fish meal, meat scraps, dehydrated alfalfa leaf meal, corn meal, pulverized heavy oats, pulverized heavy barley, wheat bran, wheat flour middlings, wheat germ meal, riboflavin concentrate, fortified cod liver oil, ½% salt, 3% calcium carbonate, 1% protozyme (an enzyme supplying product derived from biochemically processed cereals), 70 p.p.m. anhydrous manganese sulphate.
	F.	22.55	6.37	6.14	9.16	10.65	45.13	
Beacon Turkey Flushing Feed	G.	18.00	1.00	5.00	.....	.....	.....	Dried skimmed milk (feeding), ground yellow corn, liquid petrolatum, sulphur sublimatum, pulverized heavy barley, wheat bran, fortified cod liver oil, ½% salt.
	F.	18.39	5.70	4.07	9.98	5.81	56.05	
Beacon Turkey Growing Feed	G.	20.00	4.00	7.00	.....	.....	.....	Dried skimmed milk (feeding). liver meal, dehydrated alfalfa leaf meal, meat scraps, fish meal, wheat bran, wheat flour middlings, wheat red dog, corn gluten meal, soybean oil meal, pulverized heavy oats, pulverized heavy barley, corn meal, wheat germ meal, riboflavin concentrate, fortified cod liver oil, 4% calcium carbonate, ½% salt, 1% protozyme (an enzyme supplying product derived from biochemically processed cereals), 70 p.p.m. anhydrous manganese sulphate.
	F.	21.27	4.84	5.63	8.89	9.18	50.19	
L. Clayton Berry, Lebanon, N. H.								
Colonial Dairy Feed	G.	20.00	4.00	12.00	.....	.....	.....	Corn meal or hominy feed, gluten feed, 41% cottonseed meal, wheat bran, brewers' grains, corn distillers' grains, ground oats, linseed oil meal, soybean meal, calcium carbonate, fine salt, molasses.
	F.	20.79	4.00	8.79	10.55	6.30	49.57	
Black Rock Milling Corp., Buffalo, N. Y.								
Corn and Oats Half and Half	G.	10.00	3.00	8.00	.....	.....	.....	Ground corn and oats.
	F.	10.20	3.96	5.22	10.53	2.22	67.87	
Blair Milling Co., Atchison, Kan.								
Soft Wheat Bran and Screenings	G.	14.50	3.50	10.00	.....	.....	.....	Wheat bran and screenings not to exceed 8%.
	F.	16.81	3.97	8.36	10.89	5.93	54.04	

Borden Co., New York, N. Y.								
Flaydry 85	G.	24.00	0.50	4.25	.....	.....	.....	Dried whey, dried skimmed milk, soybean oil meal, lactoflavin concentrate, vitamin A and D feeding oil.
	F.	33.23	4.70	3.83	4.96	8.11	45.17	
D. Brown, Niagara Falls, N. Y.								
Niaco-Lac Milk Powder	G.	32.00	0.25	.....	.....	.....	.....	Solids of liquid milk.
	F.	35.02	0.63	.....	4.77	8.04	.....	
A. B. Caple Co., Toledo, Ohio								
17% Capex Dehydrated Alfalfa Meal	G.	17.00	2.00	27.00	.....	.....	.....	Made from select alfalfa.
	F.	17.00	2.55	25.04	7.31	8.16	39.94	
Clinton Company, Clinton, Iowa								
Clinton Corn Gluten Feed	G.	23.00	2.00	8.50	.....	.....	.....	
	F.	28.63	3.54	5.46	8.06	9.53	44.78	
Herbert K. Clofine, Philadelphia, Pa.								
Peebles Lacto-G Dried Whey	G.	12.00	0.50	.....	.....	.....	.....	Dried whey.
	F.	11.67	0.68	.....	5.07	12.10	.....	
Commander-Larabee Milling Co., Minneapolis, Minn.								
Sunfed Wheat Bran	G.	14.00	4.00	12.00	.....	.....	.....	Ground screenings not exceeding mill run.
	F.	17.20	5.20	10.49	10.27	5.97	50.87	
Commercial Milling Co., Detroit, Mich.								
Henkel's Pure Winter Wheat Bran	G.	13.00	2.50	12.00	.....	.....	.....	
	F.	14.28	4.31	8.76	10.75	6.01	55.89	
Consolidated Rendering Co., Boston, Mass.								
Corenco 45% Meat and Bone Scrap	G.	45.00	6.00	.....	.....	.....	.....	Cooked meat and bone.
	F.	45.18	10.93	.....	4.86	36.59	.....	
Corenco 50% Meat and Bone Scrap	G.	50.00	6.00	.....	.....	.....	.....	Cooked meat and bone.
	F.	43.69	10.91	.....	6.36	38.45	.....	
Corn Products Refining Co., New York, N. Y.								
Buffalo Corn Gluten Feed	G.	23.00	2.00	8.50	.....	.....	.....	
	F.	25.13	2.56	8.04	8.29	5.57	50.41	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Diamond Corn Gluten Meal	G.	41.00	1.00	6.00	.....	.....	.....	
	F.	42.34	2.60	3.68	7.76	1.78	41.84	
Charles M. Cox Co., Boston, Mass.								
Champlain Valley Dairy 20 Ration	G.	20.00	4.00	8.50	.....	.....	.....	Old process linseed meal, soybean oil meal, cottonseed meal, corn gluten meal, corn gluten feed, brewers' dried grains, yellow corn meal, hominy feed, ground oats, ground barley, wheat bran, wheat standard middlings, cane molasses, calcium carbonate, salt.
	F.	21.89	4.00	6.56	9.37	7.15	51.03	
Wirthmore Baby Chick Starter ..	G.	20.00	4.00	7.50	.....	.....	.....	Riboflavin supplement, D-activated animal sterol (vitamin D), vitamin A and D feeding oil, dried skimmed milk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, wheat bran, wheat standard middlings, pulverized oats, calcium carbonate, manganese sulphate, salt.
	F.	21.76	4.02	5.94	9.55	7.69	51.04	
Wirthmore Breeder Mash	G.	20.00	4.00	7.00	.....	.....	.....	Flavin concentrate, fortified cod liver oil, D-activated animal sterol (vitamin D), dried skimmed milk, dried whey, liver meal, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	22.63	4.25	5.86	9.36	9.31	48.59	
Wirthmore Complete Breeder Ration	G.	15.00	4.00	6.00	.....	.....	.....	Flavin concentrate, fortified cod liver oil, D-activated animal sterol (vitamin D), dried skimmed milk, dried whey, liver meal, meat scraps, fish meal, soybean oil meal, dehydrated alfalfa meal, yellow corn meal, ground wheat, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	16.55	4.62	5.14	9.99	7.15	56.55	
Wirthmore Complete Chick Starter and Broiler Ration	G.	17.50	4.00	7.00	.....	.....	.....	Flavin concentrate, fortified cod liver oil, dried skimmed milk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, wheat bran, wheat standard middlings, pulverized oats, ground oat groats, calcium carbonate, manganese sulphate, salt.
	F.	20.27	4.49	5.59	9.89	6.56	53.20	
Wirthmore Complete Egg Ration	G.	15.00	4.00	6.00	.....	.....	.....	Flavin concentrate, fortified cod liver oil, D-activated animal sterol (vitamin D), dried skimmed milk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, ground wheat, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	17.16	4.47	6.35	9.58	8.07	54.37	
Wirthmore Complete Growing Ration	G.	14.00	3.75	7.00	.....	.....	.....	Flavin concentrate, fortified cod liver oil, dried skimmed milk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, ground wheat, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	17.72	4.49	5.19	10.11	7.24	55.25	

Wirthmore 20 Dairy Ration	G.	20.00	4.50	8.00	.....	.....	.....	Old process linseed meal, soybean oil meal, cottonseed meal, corn gluten meal, corn gluten feed, corn distillers' dried grains, yellow corn meal, ground oats, ground barley, wheat bran, wheat standard middlings, cane molasses, steamed bone meal, salt.
	F.	20.49	5.17	6.95	10.13	5.97	51.29	
Wirthmore 25 Dairy Ration	G.	25.00	4.50	8.50	.....	.....	.....	Old process linseed meal, soybean oil meal, cottonseed meal, corn gluten meal, corn gluten feed, corn distillers' dried grains, yellow corn meal, ground oats, ground barley, wheat bran, wheat standard middlings, cane molasses, steamed bone meal, salt.
	F.	26.66	4.50	7.63	8.76	6.64	45.81	
Wirthmore Finishing Pellets	G.	15.00	4.00	6.50	.....	.....	.....	Dried skimmed milk, meat scraps, soybean oil meal, dehydrated alfalfa meal, yellow corn meal, wheat standard middlings, wheat red dog, pulverized oats, pulverized barley, calcium carbonate, salt.
	F.	16.24	3.81	5.69	9.03	6.11	59.12	
Wirthmore 14 Fitting Ration	G.	14.00	4.00	7.00	.....	.....	.....	Irradiated yeast, vitamin A feeding oil, old process linseed meal, yellow corn meal, hominy feed, crimped oats, ground oats, ground barley, wheat bran, wheat standard middlings, cane molasses, fish meal, steamed bone meal, salt.
	F.	15.24	4.39	6.75	11.39	6.06	56.17	
Wirthmore Fleshing and Fattening Mash	G.	15.00	4.50	6.00	.....	.....	.....	Flavin concentrate, fortified cod liver oil, dried skimmed milk, dried whey, meat scraps, yellow corn meal, hominy feed, ground wheat, wheat standard middlings, wheat red dog, pulverized oats, feeding oat meal, pulverized barley.
	F.	15.15	4.99	4.21	9.68	4.50	61.47	
Wirthmore Fodder Greens	G.	10.00	3.00	15.00	.....	.....	.....	Dried beet pulp, dried citrus pulp, chopped alfalfa, brewers' dried grains, wheat bran, hominy feed, cane molasses, calcium carbonate, salt.
	F.	13.17	3.48	9.78	9.58	9.12	54.87	
Wirthmore Growing Mash	G.	17.50	4.50	7.00	.....	.....	.....	Flavin concentrate, fortified cod liver oil, D-activated animal sterol (vitamin D), dried skimmed milk, dried whey, meat scraps, fish meal, soybean oil meal, dehydrated alfalfa meal, yellow corn meal, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	17.16	4.64	5.11	10.09	8.39	54.61	
Wirthmore Laying Mash	G.	20.00	4.00	7.00	.....	.....	.....	Flavin concentrate, fortified cod liver oil, D-activated animal sterol (vitamin D), dried skimmed milk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, ground wheat, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	20.70	4.50	5.41	9.67	8.42	51.30	
Wirthmore Pig and Hog Feed	G.	17.00	4.00	9.00	.....	.....	.....	Irradiated yeast, vitamin A feeding oil, old process linseed meal, corn gluten feed, yellow corn meal, hominy feed, ground barley, alfalfa meal, wheat bran, wheat standard middlings, wheat red dog, cane molasses, fish meal, meat scraps, steamed bone meal, calcium carbonate, salt.
	F.	18.13	5.08	6.29	9.33	9.02	52.15	
Wirthmore Poultry Flush	G.	17.50	3.50	6.00	.....	.....	.....	Fortified cod liver oil, D-activated animal sterol (vitamin D), dried whey, liver meal, meat scraps, fish meal, soybean oil meal, dehydrated alfalfa meal, yellow corn meal, wheat bran, wheat standard middlings, wheat red dog, ground oats, calcium carbonate.
	F.	20.44	3.52	4.78	7.60	11.02	52.64	
Wirthmore 16 Record Ration	G.	16.00	4.00	8.00	.....	.....	.....	Old process linseed meal, soybean oil meal, corn gluten meal, corn gluten feed, corn distillers' dried grains, yellow corn meal, hominy feed, crimped oats, ground oats, ground barley, wheat bran, wheat standard middlings, cane molasses, steamed bone meal, calcium carbonate, salt.
	F.	16.20	4.31	6.46	8.51	6.87	57.65	

Manufacturer Brand	Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Wirthmore Special Broiler Feed	G.	20.00	4.00	6.50	.....	.....	.....	Flavin concentrate, fortified cod liver oil, dried skimmed milk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	20.88	4.06	4.99	9.23	7.35	53.49	
Wirthmore Special 16 Dairy Ration	G.	16.00	3.00	13.00	.....	.....	.....	Old process linseed meal, soybean oil meal, cottonseed meal, corn gluten meal, corn gluten feed, brewers' dried grains, yellow corn meal, hominy feed, ground oats, ground barley, oat mill feed (oat hulls, oat shorts, oat middlings), wheat bran, wheat standard middlings, cane molasses, calcium carbonate, salt.
	F.	16.29	4.01	9.73	7.72	7.32	54.93	
Wirthmore Special 20 Dairy Ration	G.	20.00	3.50	8.00	.....	.....	.....	Soybean oil meal, cottonseed meal, old process linseed meal, corn gluten feed, brewers' dried grains, yellow corn meal, hominy feed, ground oats, ground barley, wheat bran, wheat standard middlings, cane molasses, calcium carbonate, salt.
	F.	19.64	3.54	6.39	9.79	7.47	53.17	
Wirthmore Special Egg Mash	G.	20.00	4.00	7.50	.....	.....	.....	Fortified cod liver oil, D-activated animal sterol (vitamin D), meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	20.14	4.27	6.48	9.63	9.57	49.91	
Wirthmore Standard 16 Dairy Ration	G.	16.00	4.00	8.50	.....	.....	.....	Old process linseed meal, soybean oil meal, corn gluten feed, brewers' dried grains, yellow corn meal, hominy feed, ground oats, ground barley, wheat bran, wheat standard middlings, cane molasses, calcium carbonate, salt.
	F.	18.04	4.08	7.04	9.88	6.83	54.13	
Wirthmore Standard 20 Dairy Ration	G.	20.00	4.00	8.00	.....	.....	.....	Old process linseed meal, soybean oil meal, cottonseed meal, corn gluten meal, corn gluten feed, brewers' dried grains, yellow corn meal, hominy feed, ground oats, ground barley, wheat bran, wheat standard middlings, cane molasses, calcium carbonate, salt.
	F.	21.49	3.88	7.15	9.85	6.91	50.72	
Wirthmore Standard 24 Dairy Ration	G.	24.00	4.00	8.50	.....	.....	.....	Old process linseed meal, soybean oil meal, cottonseed meal, corn gluten meal, corn gluten feed, brewers' dried grains, yellow corn meal, hominy feed, ground oats, ground barley, wheat bran, wheat standard middlings, cane molasses, calcium carbonate, salt.
	F.	25.57	4.12	6.82	9.06	7.96	46.47	
Wirthmore Standard 12 Fitting Ration	G.	12.00	4.00	8.00	.....	.....	.....	Irradiated yeast, vitamin A feeding oil, old process linseed meal, soybean oil meal, yellow corn meal, hominy feed, crimped oats, ground oats, ground barley, wheat bran, wheat standard middlings, cane molasses, calcium carbonate, salt.
	F.	14.93	4.33	6.56	10.54	7.44	56.20	
Wirthmore Standard Horse Feed	G.	9.50	3.25	9.00	.....	.....	.....	Old process linseed meal, cracked yellow corn, crimped oats, chopped alfalfa, wheat bran, cane molasses, salt.
	F.	10.94	3.74	6.45	11.04	4.32	63.51	
Wirthmore Stock Feed	G.	9.00	4.00	9.50	.....	.....	.....	Ground corn, hominy feed, ground barley, wheat standard middlings, oat mill feed (oat hulls, oat shorts, oat middlings), cane molasses, steamed bone meal, ground oats, calcium carbonate, salt.
	F.	10.94	4.72	8.56	9.36	6.71	59.71	

Wirthmore Turkey Growing Ration	G.	20.00	4.00	7.00	.....	.....	.....	Flavin concentrate, fortified cod liver oil, D-activated animal sterol (vitamin D), dried skimmed milk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	21.58	4.30	5.89	9.29	7.63	51.31	
G. B. Currier Co., Colebrook, N. H.								
Champion Dairy Ration	G.	24.00	4.75	8.50	.....	.....	.....	Bran, choice cottonseed meal, buffalo gluten feed, diamond gluten meal, linseed oil meal, fancy ground oats, corn meal or hominy, brewers' dried grains, distillers' grains, middlings, ¾% salt, bone meal.
	F.	25.39	4.88	8.64	9.07	5.86	46.16	
Delaware Mills, Deposit, N. Y.								
Delaware All Mash Chick Starter	G.	17.00	4.00	6.00	.....	.....	.....	Cod liver oil, dried skimmed milk, meat scraps, fish meal, oat meal, dehydrated alfalfa leaf meal, corn meal, wheat bran, wheat middlings, wheat red dog, bone meal, corn gluten meal, calcium carbonate, charcoal, salt, potassium iodide, manganese, flavin concentrate.
	F.	18.34	4.70	6.59	8.89	8.92	52.56	
Delaware Breeder Mash	G.	20.00	4.00	7.00	.....	.....	.....	Cod liver oil, wheat germ oil, dried skimmed milk, dried whey, dehydrated alfalfa leaf meal, meat scraps, fish meal, soybean oil meal, corn meal, wheat bran, wheat middlings, wheat red dog, oat meal, pulverized heavy oats, ground barley, calcium carbonate, ½% salt, potassium iodide, manganese, flavin concentrate.
	F.	20.27	4.48	6.51	10.13	10.77	47.84	
Delaware Broiler Mash	G.	20.00	4.00	6.50	.....	.....	.....	Cod liver oil, dried whey, meat scraps, bone meal, dehydrated alfalfa leaf meal, fish meal, pulverized heavy oats, corn gluten feed, corn meal, wheat bran, wheat middlings, soybean oil meal, calcium carbonate, charcoal, salt, potassium iodide, manganese, flavin concentrate.
	F.	22.11	4.33	7.41	8.20	8.07	49.88	
Delaware Complete Egg Mash	G.	15.00	4.00	7.00	.....	.....	.....	Cod liver oil, dried skimmed milk, dried whey, meat scraps, fish meal, dehydrated alfalfa meal, soybean oil meal, corn gluten feed, wheat bran, wheat middlings, corn meal, ground oats, ground barley, ground wheat, calcium carbonate, salt, potassium iodide, manganese.
	F.	19.87	4.06	7.45	9.00	8.47	51.15	
Delaware Dairy Ration	G.	20.00	4.00	9.00	.....	.....	.....	500 lbs. gluten feed, 100 lbs. wheat bran, 200 lbs. 41% cottonseed meal, 300 lbs. wheat middlings, 340 lbs. hominy or corn meal, 200 lbs. brewers' grains, 100 lbs. linseed oil meal, 200 lbs. molasses, 20 lbs. limestone, 20 lbs. bone meal, 20 lbs. salt.
	F.	20.84	4.54	6.55	10.16	7.37	50.54	
Delaware Fitting Ration	G.	14.00	4.00	10.00	.....	.....	.....	Cane molasses, wheat bran, wheat middlings, corn meal, ground oats, linseed oil meal, soybean oil meal, peanut oil meal, calcium carbonate, salt, potassium iodide.
	F.	14.45	4.76	6.59	10.42	6.37	57.41	
Delaware Egg Mash	G.	19.00	4.00	9.00	.....	.....	.....	Vitamin A and D fish oil, dried whey, meat scraps, bone meal, soybean oil meal, corn gluten feed, linseed oil meal, wheat bran, wheat middlings, yellow corn meal, fine ground oats, ground barley, dehydrated alfalfa meal, calcium carbonate, salt, potassium iodide, manganese.
	F.	19.44	4.10	7.47	9.76	8.08	51.15	
Delaware Full Flow 20% Dairy Feed	G.	20.00	4.50	8.00	.....	.....	.....	Cane molasses, linseed oil meal, corn gluten feed, corn gluten meal, cottonseed meal, soybean oil meal, wheat bran, corn distillers' grains, wheat middlings, corn meal or hominy feed, ground oats, ground barley, calcium carbonate, potassium iodide, salt.
	F.	24.08	4.95	7.24	9.04	7.86	46.83	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Delaware Grow Mash	G.	16.50	4.00	9.00	.....	.....	.....	Vitamin A and D fish meal, dried whey, meat scraps, bone meal, soybean oil meal, yellow corn meal, fine ground oats, ground barley, dehydrated alfalfa meal, corn gluten feed, wheat bran, wheat middlings, linseed oil meal, calcium carbonate, salt, potassium iodide, manganese.
	F.	19.74	4.15	7.55	9.55	8.22	50.79	
Delaware 85% Horse Feed	G.	9.00	3.00	9.00	.....	.....	.....	Cracked corn, crimped oats, linseed oil meal, alfalfa meal, molasses, salt.
	F.	10.77	3.40	7.02	11.59	3.79	63.43	
Delaware 21% Laying Mash	G.	21.00	4.00	7.00	.....	.....	.....	Vitamin A and D fish oil, dried skimmed milk, meat scraps, bone meal, fish meal, soybean oil meal, corn gluten feed, yellow corn meal, wheat bran, wheat middlings, wheat red dog, pulverized heavy oats, ground barley, dehydrated alfalfa leaf meal, calcium carbonate, ½% salt, potassium iodide, manganese, flavin concentrate.
	F.	22.24	4.17	6.29	9.45	10.78	47.07	
Delaware Pig and Hog Feed	G.	16.00	4.00	8.00	.....	.....	.....	Wheat middlings, wheat bran, corn meal or hominy feed, meat scraps, fish meal, choice alfalfa meal, peanut oil meal, soybean oil meal, linseed oil meal, calcium carbonate, salt, potassium iodide, high test cod liver oil.
	F.	17.34	6.67	7.42	9.31	6.93	52.33	
Delaware Poultry Pellets	G.	15.00	4.00	6.00	.....	.....	.....	Vitamin A and D fish oil, dried skimmed milk, dried whey, meat scraps, dehydrated alfalfa meal, soybean oil meal, corn gluten feed, yellow corn meal, ground oats, ground barley, wheat bran, wheat middlings, calcium carbonate, salt, potassium iodide, manganese, flavin concentrate.
	F.	20.84	4.51	**7.19**	10.45	8.32	48.69	
Delaware Pulpolass Feed	G.	10.00	2.00	16.00	.....	.....	.....	Cane molasses, brewers' dried grains, wheat bran, dried beet pulp, alfalfa meal, corn meal, calcium carbonate, salt.
	F.	13.13	3.15	12.18	10.61	8.99	51.94	
Delaware Starter-Grower-Layer	G.	16.00	4.00	6.00	.....	.....	.....	Dried skimmed milk, cod liver oil, meat scraps, fish meal, bone meal, corn meal, wheat bran, wheat middlings, wheat red dog, dehydrated alfalfa leaf meal, pulverized heavy oats, soybean oil meal, calcium carbonate, salt, potassium iodide, manganese, flavin concentrate.
	F.	18.91	4.23	6.26	10.45	9.41	50.74	
Delaware Stock Feed	G.	9.00	3.00	12.00	.....	.....	.....	Corn meal, hominy feed, ground oats, ground barley, wheat middlings, oat middlings, oat hulls, oat shorts, calcium carbonate, salt, potassium iodide.
	F.	9.06	3.87	9.80	8.74	6.06	62.47	
Delaware Sweet 20% Dairy Feed	G.	20.00	4.50	10.00	.....	.....	.....	Cane molasses, linseed meal, corn gluten feed, corn gluten meal, cottonseed meal, soybean oil meal, corn distillers' grains, peanut oil meal, wheat bran, babassu oil meal, wheat middlings, hominy feed, ground oats, ground barley, calcium carbonate, salt, potassium iodide.
	F.	22.15	4.57	8.05	9.78	6.44	49.01	
Indian Sweet 20% Dairy Feed	G.	20.00	3.50	11.00	.....	.....	.....	Cane molasses, linseed oil meal, corn gluten feed, soybean oil meal, peanut oil meal, babassu oil meal, wheat bran, wheat middlings, corn meal, reground oat feed, corn distillers' grains, calcium carbonate, salt, potassium iodide.
	F.	22.50	4.17	9.59	8.89	8.16	46.69	

Dietrich & Gambrill, Frederick, Md.								
D & G All Purpose Complete Ration	G.	15.00	4.00	7.00	.....	.....	.....	Ground corn, pulverized oats, wheat flour middlings, wheat bran, alfalfa leaf meal, dried skimmed milk, dried whey, lactoflavin concentrate, meat scraps, fish meal, soybean oil meal, steamed bone meal, 1% calcium carbonate, 1% salt, vitamin A and D feeding oil, 0.0002% potassium iodide, 0.012% manganese sulphate.
	F.	16.46	4.33	5.05	9.61	8.03	56.52	
D & G Pen Mar 16% Dairy Feed	G.	16.00	4.00	10.00	.....	.....	.....	Corn gluten feed, cottonseed meal, soybean oil meal, linseed oil meal, dried brewers' grains, corn distillers' grains, wheat bran, wheat middlings, corn feed meal, ground oats, molasses, 1% calcium carbonate, 1% salt, 0.0002% potassium iodide, 1% bone meal.
	F.	16.90	4.36	7.09	10.40	6.44	54.81	
D & G Pen Mar 20% Dairy Feed	G.	20.00	4.00	10.00	.....	.....	.....	Corn gluten feed, cottonseed meal, linseed oil meal, soybean oil meal, dried brewers' grains, ground oats, corn feed meal, wheat bran, wheat middlings, molasses, 1% calcium carbonate, 1% bone meal, 1% salt, 0.0002% potassium iodide, corn distillers' dried grains.
	F.	20.88	3.86	7.72	9.69	6.58	51.27	
D & G Pig and Hog Meal	G.	18.00	4.00	8.00	.....	.....	.....	Wheat middlings, corn feed meal, digester tankage, fish meal, linseed oil meal, peanut oil meal, alfalfa meal, soybean oil meal, ground barley, molasses, bone meal, 1% calcium carbonate, 1% salt, 0.0002% potassium iodide, rye middlings.
	F.	21.10	4.31	5.45	10.21	7.82	51.11	
D & G Wheat Mixed Feed	G.	15.00	3.50	7.50	.....	.....	.....	
	F.	15.85	3.36	5.75	11.18	4.07	59.79	
Frederick 20% Dairy Feed	G.	20.00	4.00	12.00	.....	.....	.....	Dried brewers' grains, cottonseed meal, soybean oil meal, corn gluten feed, corn feed meal, wheat bran, 25% ground grain screenings from wheat, clipped oat by-products, molasses, bone meal, 1% calcium carbonate, 1% salt, 0.0002% potassium iodide, oat mill feed (oat middlings, oat shorts, oat hulls).
	F.	20.02	3.80	10.62	9.67	7.29	48.60	
Gambrill's Horse Feed	G.	10.00	3.50	12.00	.....	.....	.....	Crushed oats, cracked corn, alfalfa meal, molasses, 1% salt.
	F.	9.69	**2.92**	8.19	11.10	3.15	64.95	
Doughboy Mills, New Richmond, Wis.								
Doughboy Feeding Oatmeal	G.	15.00	5.00	3.75	.....	.....	.....	
	F.	15.11	**3.98**	3.28	9.40	2.12	66.11	
Drackett Company, Cincinnati, Ohio								
Drackett 44% Protein Soybean Oil Meal	G.	44.00	0.50	7.00	.....	.....	.....	
	F.	46.49	1.43	5.24	9.04	5.66	32.14	
Eastern States Farmers' Exchange, Springfield, Mass.								
Eastern States All Mash Breeder	G.	15.50	4.00	5.50	.....	.....	.....	735 lbs. E. S. yellow corn meal, 300 lbs. wheat bran, 300 lbs. wheat flour middlings, 93.75 lbs. E. S. ground oats, 70 lbs. oyster shell meal, 60 lbs. 50% protein meat scraps, 60 lbs. alfalfa leaf meal, 60 lbs. 58% protein fish meal, 60 lbs. E. S. ground barley, 60 lbs. cane molasses, 60 lbs. riboflavin concentrate, 50 lbs. 41% protein soybean oil meal, 30 lbs. corn gluten meal, 20 lbs. distillers' dried solubles, 15 lbs. dicalcium phosphate, 10 lbs. wheat germ middlings, 10 lbs. iodized salt, 6 lbs. fortified sardine oil, 0.25 lb. manganese sulphate.
	F.	16.72	4.65	4.94	10.56	9.00	54.13	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Eastern States All Mash Developer	G.	15.00	3.75	6.00	.....	.....	.....	762.25 lbs. E. S. yellow corn meal, 300 lbs. wheat bran, 270 lbs. wheat flour middlings, 160 lbs. E. S. ground oats, 120 lbs. E. S. ground barley, 60 lbs. 41% protein soybean oil meal, 60 lbs. 50% protein meat scraps, 50 lbs. alfalfa leaf meal, 40 lbs. cane molasses, 40 lbs. corn gluten meal, 40 lbs. distillers' dried solubles, 40 lbs. oyster shell meal, 30 lbs. 58% protein fish meal, 10 lbs. wheat germ middlings, 10 lbs. dicalcium phosphate, 5 lbs. iodized salt, 2.5 lbs. fortified sardine oil, 0.25 lb. manganese sulphate.
	F.	16.42	4.58	5.61	10.38	7.31	55.70	
Eastern States All Mash Egg	G.	15.50	4.00	5.50	.....	.....	.....	740 lbs. E. S. yellow corn meal, 305 lbs. wheat bran, 300 lbs. wheat flour middlings, 119.75 lbs. E. S. ground oats, 100 lbs. 50% protein meat scraps, 80 lbs. E. S. ground barley, 70 lbs. oyster shell meal, 60 lbs. cane molasses, 60 lbs. 41% protein soybean oil meal, 50 lbs. 58% protein fish meal, 50 lbs. alfalfa leaf meal, 40 lbs. corn gluten meal, 10 lbs. dicalcium phosphate, 10 lbs. iodized salt, 5 lbs. fortified sardine oil, 0.25 lb. manganese sulphate.
	F.	17.60	4.69	5.50	10.24	9.32	52.65	
Eastern States Breeder Mash	G.	20.00	4.00	6.00	.....	.....	.....	280 lbs. E. S. yellow corn meal, 220 lbs. wheat bran, 220 lbs. wheat flour middlings, 207.5 lbs. E. S. ground oats, 140 lbs. 50% protein meat scraps, 140 lbs. 58% protein fish meal, 120 lbs. alfalfa leaf meal, 120 lbs. E. S. ground barley, 120 lbs. cane molasses, 120 lbs. riboflavin concentrate, 80 lbs. 41% protein soybean oil meal, 70 lbs. oyster shell meal, 50 lbs. corn gluten meal, 40 lbs. distillers' dried solubles, 20 lbs. wheat germ middlings, 20 lbs. dicalcium phosphate, 20 lbs. iodized salt, 12 lbs. fortified sardine oil, 0.5 lb. manganese sulphate.
	F.	22.02	5.13	5.74	8.92	11.20	46.99	
Eastern States Developer	G.	18.50	3.75	7.00	.....	.....	.....	300 lbs. wheat bran, 300 lbs. E. S. ground oats, 260 lbs. E. S. yellow corn meal, 220 lbs. E. S. ground barley, 174.75 lbs. wheat flour middlings, 120 lbs. 41% protein soybean oil meal, 120 lbs. 50% protein meat scraps, 100 lbs. alfalfa leaf meal, 80 lbs. distillers' dried solubles, 80 lbs. cane molasses, 80 lbs. corn gluten meal, 60 lbs. 58% protein fish meal, 60 lbs. oyster shell meal, 20 lbs. wheat germ middlings, 10 lbs. iodized salt, 10 lbs. dicalcium phosphate, 5 lbs. fortified sardine oil, 0.25 lb. manganese sulphate.
	F.	20.75	4.88	6.08	9.61	9.88	49.80	
Eastern States Egg Mash	G.	20.00	4.00	6.50	.....	.....	.....	300 lbs. wheat bran, 280 lbs. E. S. yellow corn meal, 249.5 lbs. E. S. ground oats, 240 lbs. wheat flour middlings, 200 lbs. 50% protein meat scraps, 160 lbs. E. S. ground barley, 120 lbs. cane molasses, 100 lbs. 41% protein soybean oil meal, 100 lbs. 58% protein fish meal, 80 lbs. alfalfa leaf meal, 80 lbs. oyster shell meal, 60 lbs. corn gluten meal, 20 lbs. iodized salt, 10 lbs. fortified sardine oil, 0.5 lb. manganese sulphate.
	F.	20.40	5.09	6.17	9.82	11.94	46.58	
Eastern States Finishing	G.	15.00	4.00	5.00	.....	.....	.....	840 lbs. E. S. yellow corn meal, 300 lbs. wheat bran, 297.5 lbs. wheat flour middlings, 200 lbs. E. S. ground oats, 140 lbs. 50% protein meat scraps, 60 lbs. 41% protein soybean oil meal, 60 lbs. cane molasses, 40 lbs. corn gluten meal, 40 lbs. oyster shell meal, 10 lbs. dicalcium phosphate, 10 lbs. iodized salt, 2.5 lbs. fortified sardine oil.
	F.	16.24	4.60	4.63	9.97	7.99	56.57	
Eastern States Fitting Ration	G.	14.00	3.00	8.50	.....	.....	.....	480 lbs. E. S. ground oats, 480 lbs. wheat bran, 359.5 lbs. E. S. yellow corn meal, 200 lbs. cane molasses, 120 lbs. E. S. ground barley, 100 lbs. alfalfa leaf meal, 100 lbs. 41% protein soybean oil meal, 100 lbs. 37% protein old process linseed meal, 20 lbs. wheat germ middlings, 20 lbs. iodized salt, 10 lbs. dicalcium phosphate, 10 lbs. calcium carbonate, 0.5 lb. irradiated yeast brewers' type.
	F.	15.37	4.36	7.51	10.72	6.31	55.73	

Eastern States Flushing	G.	18.50	3.00	4.00	.....	.....	.....	510 lbs. wheat bran, 420 lbs. E. S. yellow corn meal, 360 lbs. dried whey, 360 lbs. dried skimmed milk, 100 lbs. cane molasses, 60 lbs. 41% protein soybean oil meal, 60 lbs. 50% protein meat scraps, 40 lbs. corn gluten meal, 40 lbs. 58% protein fish meal, 30 lbs. oyster shell meal, 10 lbs. fortified sardine oil, 10 lbs. iodized salt.
	F.	21.10	3.21	3.11	9.01	8.51	55.06	
Eastern States Fulpail	G.	20.00	4.00	8.50	.....	.....	.....	260 lbs. wheat bran, 240 lbs. 41% protein soybean oil meal, 240 lbs. corn distillers' dried grains, 220 lbs. E. S. ground oats, 220 lbs. E. S. yellow corn feed meal, 200 lbs. cane molasses, 120 lbs. 20% protein cocoanut oil meal, 120 lbs. corn gluten feed, 100 lbs. E. S. ground barley, 80 lbs. 37% protein old process linseed meal, 80 lbs. babassu kernel oil meal, 60 lbs. 41% protein cottonseed meal, 20 lbs. wheat germ middlings, 20 lbs. iodized salt, 10 lbs. dicalcium phosphate, 10 lbs. calcium carbonate.
	F.	21.45	4.74	7.78	10.06	6.61	49.36	
Eastern States Hog Meal	G.	15.00	3.50	5.50	.....	.....	.....	860 lbs. E. S. yellow corn meal, 480 lbs. E. S. ground barley, 140 lbs. 50% protein meat scraps, 119.5 lbs. wheat flour middlings, 100 lbs. wheat bran, 100 lbs. alfalfa leaf meal, 60 lbs. 37% protein old process linseed meal, 60 lbs. 41% protein soybean oil meal, 40 lbs. calcium carbonate, 20 lbs. dicalcium phosphate, 20 lbs. iodized salt, 0.25 lb. irradiated yeast brewers' type, 0.25 lb. manganese sulphate.
	F.	16.11	4.02	4.92	10.73	8.21	56.01	
Eastern States Horse Feed	G.	10.50	3.50	7.00	.....	.....	.....	780 lbs. E. S. crimped oats, 720 lbs. E. S. yellow cracked corn, 200 lbs. wheat bran, 160 lbs. cane molasses, 100 lbs. 32% protein old process linseed meal, 20 lbs. dicalcium phosphate, 20 lbs. iodized salt.
	F.	11.68	4.57	6.06	11.09	4.53	62.07	
Eastern States Milkmore	G.	24.00	4.50	8.50	.....	.....	.....	340 lbs. 37% protein old process linseed meal, 260 lbs. corn distillers' dried grains, 260 lbs. 41% protein soybean oil meal, 200 lbs. brewers' dried grains, 180 lbs. cane molasses, 160 lbs. E. S. ground oats, 140 lbs. corn gluten feed, 120 lbs. E. S. yellow corn feed meal, 110 lbs. wheat standard middlings, 100 lbs. wheat bran, 60 lbs. 41% protein cottonseed meal, 20 lbs. wheat germ middlings, 20 lbs. iodized salt, 15 lbs. dicalcium phosphate, 15 lbs. calcium carbonate.
	F.	26.00	4.86	7.47	8.76	6.82	46.09	
Eastern States Sheep and Goat Feed	G.	16.00	3.50	7.50	.....	.....	.....	640 lbs. E. S. crimped oats, 559.5 lbs. E. S. yellow cracked corn coarse, 200 lbs. wheat bran, 160 lbs. 41% protein soybean oil meal, 160 lbs. 32% protein linseed cake pea size, 120 lbs. cane molasses, 80 lbs. corn gluten meal, 20 lbs. wheat germ middlings, 20 lbs. dicalcium phosphate, 20 lbs. calcium carbonate, 20 lbs. iodized salt, 0.5 lb. irradiated yeast brewers' type.
	F.	17.25	4.32	6.14	10.35	5.89	56.05	
Eastern States Sixteen	G.	16.00	4.00	8.50	.....	.....	.....	380 lbs. E. S. yellow corn meal, 240 lbs. wheat bran, 200 lbs. E. S. ground oats, 200 lbs. cane molasses, 200 lbs. wheat standard middlings, 180 lbs. corn distillers' dried grains, 160 lbs. brewers' dried grains, 160 lbs. corn gluten feed, 100 lbs. 20% protein cocoanut oil meal, 80 lbs. 37% protein old process linseed meal, 40 lbs. 41% protein soybean oil meal, 20 lbs. wheat germ middlings, 20 lbs. iodized salt, 10 lbs. dicalcium phosphate, 10 lbs. calcium carbonate.
	F.	19.26	4.59	6.98	10.66	6.08	52.43	
Eastern States Starting and Broiler	G.	18.50	4.00	5.00	.....	.....	.....	550 lbs. E. S. yellow corn meal, 297.25 lbs. wheat flour middlings, 280 lbs. wheat bran, 200 lbs. ground oat groats, 130 lbs. 50% protein meat scraps, 100 lbs. alfalfa leaf meal, 90 lbs. 41% protein soybean oil meal, 80 lbs. 58% protein fish meal, 60 lbs. cane molasses, 60 lbs. corn gluten meal, 60 lbs. dried whey, 40 lbs. dried skimmed milk, 20 lbs. oyster shell meal, 10 lbs. wheat germ middlings, 10 lbs. iodized salt, 10 lbs. dicalcium phosphate, 2.5 lbs. fortified sardine oil, 0.25 lb. manganese sulphate.
	F.	20.31	4.79	4.65	9.57	8.11	52.57	
Eastern States Succulence	G.	10.00	1.50	18.00	.....	.....	.....	1000 lbs. no. 1 alfalfa chopped—¼ in. size, 260 lbs. wheat bran, 500 lbs. cane molasses, 240 lbs. E. S. crimped oats.
	F.	11.03	2.27	18.61	8.35	7.38	52.36	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Eastern States Turkey Fat	G.	20.00	4.00	6.00	.....	.....	.....	580 lbs. E. S. yellow corn meal, 240 lbs. wheat bran, 240 lbs. E. S. ground oats, 230 lbs. wheat flour middlings, 190 lbs. 41% protein soybean oil meal, 150 lbs. corn gluten meal, 120 lbs. 50% protein meat scraps, 100 lbs. alfalfa leaf meal, 60 lbs. dried skimmed milk, 40 lbs. cane molasses, 40 lbs. oyster shell meal, 10 lbs. iodized salt.
	F.	21.93	4.00	5.83	9.66	8.49	50.09	
Elam Grain Co., St. Louis, Mo.								
Dried Brewers' Grains	G.	24.00	5.00	17.00	.....	.....	.....	Barley, corn, rice.
	F.	27.14	7.59	14.17	7.74	3.56	39.80	
Elmore Milling Co., Oneonta, N. Y.								
Elmore Breeders' Mash	G.	20.00	4.00	8.00	.....	.....	.....	Wheat germ meal, yellow corn meal, wheat bran, ground heavy oats, wheat middlings, meat and bone meal, alfalfa leaf meal, fish meal, dried skimmed milk, dried buttermilk, flavin concentrate, cod liver oil, cod liver meal, soybean oil meal, manganese sulphate, oyster shell flour, dried cereal grasses, salt.
	F.	19.85	5.46	6.57	9.13	9.47	49.52	
Elmore Complete Market Egg Mash	G.	15.00	4.00	8.00	.....	.....	.....	Corn meal, wheat bran, standard wheat middlings, red dog flour middlings, ground heavy oats, ground barley, dehydrated alfalfa leaf meal, meat scraps, fish meal, dried skimmed milk, flavin concentrate, soybean oil meal, corn gluten meal, manganese sulphate, oyster shell flour, cod liver oil, salt.
	F.	15.24	4.41	5.79	10.39	6.39	57.78	
Elmore Complete Starter-Broiler	G.	18.00	4.00	7.00	.....	.....	.....	Yellow corn meal, dried buttermilk, wheat bran, wheat middlings, oat meal flour, meat and bone meal, soybean oil meal, corn gluten meal, dried skimmed milk, dehydrated alfalfa leaf meal, cod liver oil, flavin concentrate, fish meal, manganese sulphate, oyster shell flour, salt, dried cereal grasses.
	F.	17.89	4.65	6.20	9.92	7.83	53.51	
Elmore Egg Mash	G.	20.00	4.00	8.00	.....	.....	.....	Dried skimmed milk, meat meal, second clear wheat flour, pure ground oats, wheat middlings, corn meal (no. 2 yellow), wheat bran, dehydrated alfalfa leaf meal, fish meal, bone meal, soybean oil meal, cod liver oil, flavin concentrate, manganese sulphate, oyster shell flour, salt.
	F.	20.18	5.30	6.08	9.64	10.58	48.22	
Elmore Growing Mash	G.	17.00	4.00	8.00	.....	.....	.....	Dried buttermilk, meat meal, fish meal, dehydrated alfalfa leaf meal, bone meal, corn meal, pulverized oats, wheat middlings, cod liver oil, wheat bran, soybean oil meal, corn gluten meal, ground barley, flavin concentrate, manganese sulphate, oyster shell flour, salt.
	F.	18.21	4.82	6.30	10.09	8.18	52.40	
Elmore M. A. C. Laying Mash	G.	18.00	5.00	7.00	.....	.....	.....	Dehydrated alfalfa leaf meal, wheat bran (may contain mill run of screenings), fish meal, wheat middlings, corn meal, dried skimmed milk, ground heavy oats, soybean oil meal, flavin concentrate, meat scraps, manganese sulphate, oyster shell flour, cod liver oil, salt.
	F.	18.04	4.84	6.69	10.28	8.10	52.05	
Elmore Milk Grains Twenty	G.	20.00	5.50	10.00	.....	.....	.....	Wheat bran, dried brewers' grains, barley malt sprouts, cottonseed meal, soybean oil meal, hominy feed, cane molasses, corn distillers' grains, gluten feed, linseed oil meal, ground heavy oats, calcium carbonate, salt.
	F.	21.71	5.40	9.69	9.16	5.90	48.14	

Elmore Stock Feed	G.	10.00	3.00	12.00	.....	.....	.....	Corn meal or hominy feed, ground oats, oat meal by-products (oat middlings, oat hulls, oat shorts), salt.
	F.	11.03	5.00	11.65	8.62	4.88	58.82	
Elmore Turkey Growing Mash	G.	20.00	3.50	8.00	.....	.....	.....	Yellow corn meal, wheat bran, wheat middlings, ground heavy oats, ground barley, dehydrated alfalfa leaf meal, soybean oil meal, corn gluten meal, dried skimmed milk, flavin concentrate, meat scraps, fish meal, manganese sulphate, oyster shell flour, cod liver oil, salt.
	F.	21.32	5.13	6.24	10.24	9.84	47.23	
Granger 20% Dairy Ration	G.	20.00	4.00	11.00	.....	.....	.....	Wheat bran, dried brewers' grains, ground barley, barley malt sprouts, gluten feed, linseed oil meal, cane molasses, ground heavy oats, soybean oil meal, calcium carbonate, salt.
	F.	20.00	4.02	9.01	8.90	5.59	52.48	
Waldorf 20% Dairy Ration	G.	20.00	3.00	11.00	.....	.....	.....	Wheat bran, corn gluten feed, corn gluten meal, cottonseed meal, cane molasses, ground oats, pulverized wheat screenings, dried brewers' grains, calcium carbonate, salt.
	F.	24.78	4.61	**12.17**	8.46	7.17	42.81	
John W. Eshelman & Sons, Lancaster, Pa.								
Eshelman Challenge Dairy Feed	G.	24.00	4.00	11.00	.....	.....	.....	Cottonseed meal, wheat bran, corn gluten feed, cane molasses, ground oats, brewers' dried grains, corn distillers' dried grains, corn meal, old process linseed oil meal, old process soybean oil meal, ground grain screenings from wheat, 1% bone meal, 1% calcium carbonate, 1% salt.
	F.	26.84	4.23	7.77	9.16	7.85	44.15	
Eshelman Conestoga 20 Dairy Feed	G.	20.00	4.00	11.00	.....	.....	.....	Cottonseed meal, wheat bran, cane molasses, corn gluten feed, brewers' dried grains, old process soybean oil meal, old process linseed oil meal, reground refuse screenings, 1% bone meal, 1% calcium carbonate, 1% salt, corn distillers' dried grains.
	F.	24.56	4.27	8.62	9.71	8.42	44.42	
Eshelman Conestoga Horse Feed	G.	9.00	3.00	10.00	.....	.....	.....	Cracked corn, crushed oats, cane molasses, wheat bran, ½% salt.
	F.	10.50	3.86	5.48	11.99	3.23	64.94	
Eshelman Red Rose All Mash Starter	G.	16.00	4.00	6.50	.....	.....	.....	Corn meal, wheat bran, wheat middlings, oat meal, meat scraps, fish meal, old process soybean oil meal, alfalfa leaf meal, old process linseed oil meal, dried milk by-products, dried whey solubles, fortified vitamin A and D feeding oil, 2¼% calcium carbonate, 1/80% manganese sulphate, ½% salt.
	F.	19.39	4.82	5.39	8.97	8.59	52.84	
Eshelman Red Rose Breeder Mash	G.	20.00	4.00	6.50	.....	.....	.....	Corn meal, wheat middlings, wheat bran, ground oats, meat scraps, alfalfa leaf meal, old process soybean oil meal, dried skimmed milk, dried whey, fish meal, 2½% calcium carbonate, 1/80% manganese sulphate, ½% fortified cod liver oil with 1% wheat germ oil, ½% salt.
	F.	21.01	4.29	5.78	9.64	8.82	50.46	
Eshelman Red Rose Broiler Ration	G.	18.50	4.50	7.50	.....	.....	.....	Corn meal, wheat bran, wheat middlings, corn gluten meal, ground oats, meat scraps, old process soybean oil meal, dehydrated alfalfa meal, dried milk by-products, dried whey solubles, fish meal, fortified vitamin A and D feeding oil, 2% calcium carbonate, 1/80% manganese sulphate, ½% salt.
	F.	21.36	**4.18**	6.57	9.57	8.43	49.89	
Eshelman Red Rose 16 Dairy Feed	G.	16.00	4.50	11.00	.....	.....	.....	Wheat bran, brewers' dried grains, corn distillers' dried grains, ground oats, cottonseed meal, corn meal, cane molasses, old process linseed oil meal, corn gluten feed, old process soybean oil meal, 1% bone meal, 1% calcium carbonate, 1% salt.
	F.	18.82	4.55	8.39	10.39	6.40	51.45	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Eshelman Red Rose 18 Dairy Feed	G.	18.00	4.75	9.00	.....	.....	.....	Hominy feed, crushed oats, wheat bran, old process linseed oil meal, corn distillers' dried grains, old process soybean oil meal, cottonseed meal, corn gluten feed, cane molasses, wheat germ oil, 1% calcium carbonate, 1% bone meal, 1% salt.
	F.	18.87	4.81	7.82	10.18	6.64	51.68	
Eshelman Red Rose 20 Dairy Feed	G.	20.00	4.00	11.00	.....	.....	.....	Wheat bran, cottonseed meal, ground oats, corn gluten feed, cane molasses, brewers' dried grains, corn distillers' dried grains, corn meal, old process linseed oil meal, old process soybean oil meal, 1% bone meal, 1% calcium carbonate, 1% salt.
	F.	22.16	4.54	8.43	9.37	6.53	48.97	
Eshelman Red Rose Fattening Mash	G.	14.00	4.00	5.50	.....	.....	.....	Corn meal, hominy feed, ground oats, corn oil meal, wheat red dog, rolled oats, old process soybean oil meal, meat scraps, old process linseed oil meal, dried skimmed milk, dried whey, 2% calcium carbonate, 1/80% manganese sulphate, ½% salt.
	F.	17.64	4.72	4.59	9.29	6.10	57.66	
Eshelman Red Rose Fitting Ration	G.	12.00	3.50	7.00	.....	.....	.....	Wheat bran, crushed oats, corn meal, hominy feed, old process linseed oil meal, old process soybean oil meal, cane molasses, wheat germ oil, 1% bone meal, 1% calcium carbonate, 1% salt.
	F.	15.41	4.47	6.48	10.27	5.35	58.02	
Eshelman Red Rose Growing Mash	G.	16.00	4.00	7.50	.....	.....	.....	Wheat middlings, corn meal, wheat bran, meat scraps, ground oats, corn gluten feed, oat meal, old process soybean oil meal, hominy feed, old process linseed oil meal, fish meal, dried milk by-products, dried whey solubles, dehydrated alfalfa meal, fortified vitamin A and D feeding oil, 2% calcium carbonate, 1/80% manganese sulphate, ½% salt.
	F.	19.17	4.75	6.73	9.13	8.71	51.51	
Eshelman Red Rose Laying Mash	G.	20.00	5.00	7.50	.....	.....	.....	Wheat middlings, corn meal, meat scraps, wheat bran, corn gluten feed, ground oats, old process linseed oil meal, fish meal, old process soybean oil meal, hominy feed, dehydrated alfalfa meal, dried milk by-products, dried whey solubles, fortified vitamin A and D feeding oil, 2% calcium carbonate, 1/80% manganese sulphate, ½% salt.
	F.	22.37	**4.31**	6.64	9.82	8.89	47.97	
Eshelman Red Rose Pig and Hog Meal	G.	18.00	4.00	10.00	.....	.....	.....	Wheat middlings, corn feed meal, digester tankage, old process soybean oil meal, wheat bran, old process linseed oil meal, fish meal, reground grain screenings from wheat, 1/80% irradiated yeast, 2% bone meal, 2% charcoal, 1% calcium carbonate, 1% salt.
	F.	21.14	5.16	7.26	9.48	8.34	48.62	
Eshelman S-O-S	G.	11.00	2.00	15.00	.....	.....	.....	Wheat bran, alfalfa meal, brewers' dried grains, cane molasses, dried beet pulp, dried citrus pulp, 1% bone meal, 1% calcium carbonate, 1% salt.
	F.	13.66	2.63	15.00	10.31	9.66	48.74	
Eshelman Steam Cooked Horse Feed	G.	9.00	4.00	6.00	.....	.....	.....	Rolled corn, crushed oats.
	F.	10.07	4.02	4.02	6.71	1.79	73.39	

Evans Milling Co., Indianapolis, Ind.								
Emco Hominy Feed	G.	10.00	6.00	7.00	.....	.....	.....	Corn.
	F.	12.60	7.56	5.26	9.81	3.68	61.09	
Farm Service Co., Fitchburg, Mass.								
Farm Service All Mash	G.	16.00	4.50	5.00	.....	.....	.....	Corn meal, wheat bran, wheat middlings, soybean oil meal, ground wheat, pulverized oats, oat groats, cod liver meal, fish meal, meat scraps, fine cracked corn, dried whey, dried milk, dehydrated alfalfa leaf meal, shell meal, salt, vitamin A and D feeding oil, manganese dioxide.
	F.	19.18	4.50	5.70	10.06	7.70	52.86	
Farm Service All Mash Growing	G.	14.00	3.00	6.00	.....	.....	.....	Corn meal, fine cracked corn, ground barley, ground wheat, wheat bran, wheat middlings, soybean oil meal, corn gluten feed, ground oats, dried whey, dried milk, dehydrated alfalfa leaf meal, meat scraps, fish meal, calcium carbonate, edible bone meal, vitamin A and D feeding oil, manganese dioxide, salt.
	F.	16.59	4.49	6.20	9.32	7.14	56.26	
Farm Service Chick Starter	G.	18.00	3.50	7.50	.....	.....	.....	Wheat bran, yellow corn meal, wheat standard middlings, ground barley, meat and bone scrap, soybean oil meal, fish meal, alfalfa meal, dried whey, dried skimmed milk, flavin concentrate, ground oats, vitamin A and D feeding oil, 2.8% limestone, ½% salt, 0.01% manganese dioxide.
	F.	19.79	4.89	5.85	9.11	9.10	51.26	
Farm Service 20% Dairy	G.	20.00	3.50	12.00	.....	.....	.....	Wheat bran, wheat standard middlings, corn gluten feed, yellow corn meal, ground oats, cottonseed meal, soybean oil meal, linseed oil meal, 2% limestone, 1% salt, with or without molasses.
	F.	20.31	4.25	7.53	8.48	7.31	52.12	
Farm Service Dandy 20% Dairy	G.	20.00	3.00	11.50	.....	.....	.....	Corn meal, wheat bran, wheat middlings, corn gluten feed, cottonseed meal, soybean oil meal, linseed oil meal, oat middlings, molasses, 2% limestone, 1% salt.
	F.	23.60	3.85	7.83	9.92	7.63	47.17	
Farm Service 14% Fitting Ration	G.	14.00	4.00	10.00	.....	.....	.....	Corn meal, hominy feed, wheat bran, wheat middlings, soybean oil meal, linseed oil meal, crushed oats, molasses, fish meal, alfalfa meal, calcium carbonate, edible bone meal, salt, vitamin A and D feeding oil.
	F.	14.67	4.48	7.65	9.11	6.27	57.82	
Farm Service Fleshing Pellets	G.	15.00	3.75	7.00	.....	.....	.....	Corn meal, wheat middlings, wheat bran, soybean oil meal, ground barley, corn gluten feed, ground oats, dehydrated alfalfa leaf meal, dried whey, dried milk, fish meal, meat scraps, calcium carbonate, salt, vitamin A and D feeding oil, manganese dioxide.
	F.	17.64	5.33	7.00	8.47	7.25	54.31	
Farm Service Growing Mash	G.	19.00	3.50	7.50	.....	.....	.....	Wheat bran, wheat standard middlings, yellow corn meal, ground oats, ground barley, soybean oil meal, alfalfa meal, meat and bone scrap, flavin concentrate, dried skimmed milk, dried whey, fish meal, ½% salt, 2.8% limestone, 0.01% manganese dioxide, vitamin A and D feeding oil.
	F.	19.70	5.04	6.62	9.12	8.87	50.65	
Farm Service Horse Feed	G.	8.00	2.00	9.50	.....	.....	.....	Cracked corn, crushed oats, wheat bran, alfalfa meal, ground barley, molasses, salt.
	F.	10.24	3.40	7.28	11.25	3.19	64.64	
Farm Service Laying Mash	G.	20.00	3.50	7.50	.....	.....	.....	Wheat bran, yellow corn meal, wheat standard middlings, ground barley, meat and bone scrap, soybean oil meal, fish meal, alfalfa meal, flavin concentrate, dried skimmed milk, dried whey, ground oats, vitamin A and D feeding oil, 2.8% limestone, ½% salt, 0.01% manganese dioxide.
	F.	20.06	5.57	6.16	8.76	10.13	49.32	
Farm Service Standard 20% Dairy	G.	20.00	3.00	11.50	.....	.....	.....	Corn meal, wheat bran, wheat middlings, corn gluten feed, cottonseed meal, soybean oil meal, linseed oil meal, oat middlings, molasses, 2% limestone, 1% salt.
	F.	22.24	3.93	7.66	9.13	7.95	49.09	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Farm Service Starter and Broiler Ration	G.	18.00	5.00	7.00	.....	.....	.....	Corn meal, wheat bran, wheat middlings, ground barley, soybean oil meal, pulverized oats, corn gluten meal, dehydrated alfalfa leaf meal, dried milk, dried whey, meat scraps, fish meal, calcium carbonate, salt, vitamin A and D feeding oil, manganese dioxide.
	F.	18.36	4.49	5.53	9.20	8.49	53.93	
Farm Service Steam Cooked Horse Feed	G.	9.00	4.00	8.00	.....	.....	.....	Cooked corn, crushed oats.
	F.	9.89	4.48	5.12	9.94	2.09	68.48	
Farm Service Stock Feed	G.	9.00	3.00	12.00	.....	.....	.....	Corn meal, wheat middlings, red dog, ground barley, hominy, oat middlings, molasses, calcium carbonate, salt.
	F.	9.72	3.50	9.26	9.48	4.98	63.06	
N. E. C. Laying Mash	G.	16.00	3.75	8.00	.....	.....	.....	Corn meal, wheat bran, wheat middlings, ground oats, alfalfa meal, soybean oil meal, dried skimmed milk, meat scraps, fish meal, calcium carbonate, salt, manganese dioxide, vitamin A and D feeding oil.
	F.	18.12	5.40	5.46	9.51	9.02	52.49	
Service Ration	G.	21.00	4.00	9.00	.....	.....	.....	Corn meal, hominy, cottonseed meal, linseed oil meal, corn gluten feed, wheat bran, wheat middlings, ground oats, soybean oil meal, bone meal, calcium carbonate, salt, with or without molasses.
	F.	21.58	4.61	8.17	9.11	6.38	50.15	
Farmers' Feed Co., New York, N. Y.								
Bull Brand Dried Brewers' Grains	G.	26.00	6.00	17.00	.....	.....	.....	
	F.	25.74	7.13	15.97	6.09	3.90	41.17	
Federal Mill, Lockport, N. Y.								
Dairy Maid Mixed Feed	G.	13.00	3.50	8.50	.....	.....	.....	Winter wheat bran, winter wheat middlings, ground wheat screenings not exceeding mill run.
	F.	16.07	4.45	7.45	8.89	5.12	58.02	
Lucky Hard Wheat Bran	G.	15.00	3.50	12.00	.....	.....	.....	
	F.	17.25	5.42	10.49	9.71	6.51	50.62	
Lucky Standard Middlings	G.	16.00	4.00	9.50	.....	.....	.....	Hard wheat.
	F.	18.04	5.50	7.05	10.20	4.26	54.95	
Lucky Wheat Red Dog	G.	15.00	2.50	4.00	.....	.....	.....	
	F.	15.37	3.24	2.74	11.02	2.09	65.54	
General Foods Corp., Kankakee, Ill.								
Burt's Hominy Feed	G.	10.00	6.00	6.00	.....	.....	.....	Made from white corn.
	F.	11.38	6.02	4.83	10.33	2.83	64.61	

General Mills, Minneapolis, Minn.								
Washburn's Gold Medal Fancy Wheat Mixed Feed	G.	15.00	3.50	7.50	.....	.....	.....	Hard wheat bran, mill run cleaned ground wheat screenings, low grade wheat flour.
	F.	18.04	4.76	6.23	10.06	4.65	56.26	
Washburn's Gold Medal Hard Wheat Adrian Red Dog	G.	16.00	3.50	4.00	.....	.....	.....	
	F.	18.30	4.50	3.35	10.68	3.28	59.89	
Washburn's Gold Medal Hard Wheat Standard Middlings	G.	15.00	4.00	9.50	.....	.....	.....	Hard wheat standard middlings and mill run cleaned ground wheat screenings.
	F.	17.20	4.80	7.99	9.64	4.31	56.06	
Washburn's Gold Medal Wheat Bran	G.	15.00	3.50	11.00	.....	.....	.....	
	F.	16.59	4.22	9.38	10.80	6.80	52.21	
Glidden Co., Chicago, Ill.								
Glidden 44% Protein-4 Hi- Soybean Oil Meal	G.	44.00	0.50	7.00	.....	.....	.....	
	F.	45.83	1.24	6.17	8.94	5.74	32.08	
Gorton-Pew Fisheries Co., Gloucester, Mass.								
Gorton's Redfish Meal	G.	55.00	5.00	.....	.....	.....	.....	
	F.	56.43	7.67	.....	5.13	28.50	.....	
Grafton County Feed Co., North Haverhill, N. H.								
Our Mix Dairy Ration	G.	22.00	4.50	8.00	.....	.....	.....	Hominy feed, pure wheat bran, brewers' dried grains, 41% cottonseed meal, standard wheat middlings, corn gluten feed, soybean oil meal or old process linseed oil meal, molasses, salt, edible bone meal, calcium carbonate.
	F.	22.46	4.97	8.75	8.56	8.19	47.07	
D. H. Grandin Milling Co., Jamestown, N. Y.								
Grandin's Complete Grower Ration	G.	14.00	4.00	8.00	.....	.....	.....	Fortified cod liver oil, dried buttermilk, dried whey, flavin concentrate, meat scraps, fish meal, soybean oil meal, corn gluten feed, dehydrated alfalfa meal, wheat bran, wheat middlings, ground yellow corn, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese carbonate.
	F.	16.07	5.72	7.37	8.71	7.14	54.99	
Grandin's Complete Starter and Broiler Ration	G.	18.00	4.00	8.00	.....	.....	.....	Fortified cod liver oil, dried buttermilk, dried whey, flavin concentrate, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa leaf meal, wheat bran, wheat middlings, ground yellow corn, ground wheat, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese.
	F.	18.82	4.97	6.87	8.71	9.27	51.36	
Grandin's 16 Dairy Feed	G.	16.00	4.00	10.00	.....	.....	.....	Cane molasses, cottonseed meal, soybean oil meal, linseed oil meal, corn gluten feed, corn distillers' dried grains, wheat bran, wheat middlings, yellow corn meal, hominy feed, ground oats, ground barley, steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	17.86	4.54	7.93	9.29	6.69	53.69	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Grandin's 20 Dairy Feed	G.	20.00	4.00	10.00	.....	.....	.....	Cane molasses, cottonseed meal, soybean oil meal, linseed oil meal, corn gluten feed, corn distillers' dried grains, wheat bran, wheat middlings, yellow corn meal, hominy feed, ground oats, ground barley, steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	21.45	5.17	7.98	8.87	7.32	49.21	
Grandin's 24 Dairy Feed	G.	24.00	4.00	10.00	.....	.....	.....	Cane molasses, cottonseed meal, soybean oil meal, linseed oil meal, corn gluten meal, corn gluten feed, corn distillers' dried grains, wheat bran, wheat middlings, yellow corn meal, hominy feed, ground oats, ground barley, steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	25.39	4.72	7.39	8.79	6.87	46.84	
Grandin's 14 Fitting Ration	G.	14.00	4.00	9.00	.....	.....	.....	Fortified cod liver oil, cane molasses, fish meal, soybean oil meal, linseed oil meal, wheat bran, wheat middlings, yellow corn meal, hominy feed, crushed oats, ground oats, ground barley, steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	15.11	5.09	7.03	10.46	7.07	55.24	
Grandin's Hi-Pro Pellets	G.	20.00	4.00	8.00	.....	.....	.....	Fortified cod liver oil, dried buttermilk, dried whey, flavin concentrate, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa leaf meal, wheat bran, wheat middlings, ground yellow corn, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese carbonate.
	F.	21.10	4.43	7.87	8.21	11.94	46.45	
Grandin's Horse Feed	G.	9.50	3.50	11.00	.....	.....	.....	Crushed oats, cracked corn, linseed oil meal, alfalfa meal, cane molasses, salt.
	F.	10.90	4.22	6.38	11.35	3.63	63.52	
Grandin's Laying Mash	G.	20.00	4.00	8.00	.....	.....	.....	Fortified cod liver oil, dried buttermilk, dried whey, flavin concentrate, meat scraps, fish meal, soybean oil meal, corn gluten meal, corn gluten feed, dehydrated alfalfa leaf meal, wheat bran, wheat middlings, ground yellow corn, hominy feed, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese carbonate.
	F.	21.54	4.00	7.59	7.66	11.76	47.45	
Grandin's Market Egg Mash	G.	20.00	3.50	8.00	.....	.....	.....	Fortified cod liver oil, dried buttermilk, dried whey, flavin concentrate, meat scraps, fish meal, soybean oil meal, corn gluten feed, dehydrated alfalfa leaf meal, wheat bran, wheat middlings, ground yellow corn, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese.
	F.	20.36	4.53	7.59	8.27	12.04	47.21	
Grandin's Milk Maker	G.	20.00	4.50	10.00	.....	.....	.....	Dried beet pulp, cottonseed meal, soybean oil meal, linseed oil meal, corn gluten meal, corn gluten feed, corn distillers' dried grains, wheat bran, wheat middlings, yellow corn meal, hominy feed, ground oats, ground barley, steamed bone meal, calcium carbonate, salt, potassium iodide,
	F.	21.62	5.91	9.28	6.81	7.04	49.34	
Grandin's Pig and Hog Ration	G.	18.00	4.00	10.00	.....	.....	.....	Fortified cod liver oil, meat scraps, fish meal, soybean oil meal, linseed oil meal, alfalfa meal, wheat middlings, yellow corn meal, corn feed meal, hominy feed, ground barley, calcium carbonate, salt, potassium iodide.
	F.	20.57	4.80	7.08	8.80	11.32	47.43	
Grandin's Start-To-Finish Mash	G.	18.00	4.00	8.00	.....	.....	.....	Fortified cod liver oil, dried buttermilk, dried whey, flavin concentrate, meat scraps, fish meal, soybean oil meal, corn gluten feed, dehydrated alfalfa leaf meal, wheat bran, wheat middlings, ground wheat, ground yellow corn, hominy feed, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese.
	F.	19.52	4.46	6.93	8.27	9.07	51.75	

Grandin's Stock Feed	G.	9.00	4.00	12.00	.....	.....	.....	Hominy feed, corn meal, corn feed meal, ground oats, ground barley, oat mill feed (oat hulls, oat shorts, oat middlings), steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	9.93	5.15	10.87	8.79	6.79	58.47	
Grandin's Twin Six Dairy Feed..	G.	22.00	4.50	10.00	.....	.....	.....	Cane molasses, cottonseed meal, soybean oil meal, linseed oil meal, corn gluten meal, corn gluten feed, corn distillers' dried grains, alfalfa meal, wheat bran, wheat middlings, yellow corn meal, hominy feed, ground oats, ground barley, steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	25.00	5.59	8.74	7.73	6.77	46.17	
Money Saver 20 Dairy Feed	G.	20.00	3.50	12.00	.....	.....	.....	Cane molasses, cottonseed meal, soybean oil meal, linseed oil meal, corn gluten feed, corn distillers' dried grains, brewers' dried grains, wheat bran, wheat middlings, ground wheat screenings, corn feed meal, ground oats, ground barley, steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	20.22	4.72	11.57	8.19	9.63	45.67	
Money Saver Egg Mash	G.	18.00	3.50	8.00	.....	.....	.....	Fortified cod liver oil, flavin concentrate, meat scraps, soybean oil meal, corn gluten feed, alfalfa meal, wheat bran, wheat middlings, yellow corn meal, corn feed meal, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese.
	F.	19.88	4.54	7.93	8.13	11.28	48.24	
Money Saver Growing Mash	G.	15.00	4.00	8.00	.....	.....	.....	Fortified cod liver oil, meat scraps, soybean oil meal, corn gluten feed, alfalfa meal, wheat bran, wheat middlings, yellow corn meal, corn feed meal, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese carbonate.
	F.	17.29	4.91	7.68	8.73	10.54	50.85	
Money Saver Horse Feed	G.	9.00	3.00	11.00	.....	.....	.....	Cracked corn, crushed oats, linseed oil meal, alfalfa meal, wheat bran, cane molasses, calcium carbonate, salt.
	F.	10.33	4.11	7.99	11.10	6.19	60.28	
Great Atlantic & Pacific Tea Co., New York, N. Y.								
Daily Egg Laying Mash Feed	G.	20.00	3.75	7.00	.....	.....	.....	Corn feed meal, wheat standard middlings, ground barley, meat and bone scrap, soybean oil meal, wheat bran, alfalfa meal, ground oats, fish meal, wheat flour middlings, corn gluten meal, 2¾% calcium carbonate from limestone, dried skimmed milk, old process linseed oil meal, 1¾% steamed bone meal, dried buttermilk, ½% salt, vitamin A and D feeding oil, 0.015% manganese sulphate, 0.0015% potassium iodide.
	F.	20.66	3.94	5.67	8.57	9.62	51.54	
Daily Growth Growing Mash	G.	17.50	3.50	7.00	.....	.....	.....	Corn feed meal, wheat standard middlings, meat and bone scrap, ground barley, soybean oil meal, wheat bran, alfalfa leaf meal, ground oats, dried buttermilk, dried skimmed milk, old process linseed oil meal, 1% calcium carbonate from limestone, ½% steamed bone meal, ½% iodized salt, vitamin A and D feeding oil, 0.015% manganese sulphate.
	F.	18.47	4.16	6.49	7.69	7.46	55.73	
Daily Horse Feed	G.	9.50	3.00	10.00	.....	.....	.....	Crushed oats, cracked yellow corn, cane molasses, wheat bran, alfalfa meal, old process linseed oil meal, 1% iodized salt.
	F.	11.16	3.78	6.34	10.06	4.43	64.23	
Milky Way Dairy Feed 24%	G.	24.00	2.75	9.00	.....	.....	.....	Soybean oil meal, wheat standard middlings, corn gluten meal, cane molasses, wheat bran, cottonseed meal, corn gluten feed, ground oats, malt sprouts, brewers' dried grains, old process linseed oil meal, corn feed meal, ground barley 1% calcium carbonate from limestone, 1% iodized salt.
	F.	25.61	2.84	6.63	9.20	6.81	48.91	
Frank B. Ham & Co., Toronto, Canada								
Hamco Wheat Bran	G.	15.00	3.50	11.50	.....	.....	.....	
	F.	17.16	4.79	10.59	11.88	5.76	49.82	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Hamco Wheat Shorts	G.	15.00	5.00	8.00	.....	.....	.....	
	F.	18.82	6.05	8.18	10.67	4.78	51.50	
E. C. & W. L. Hopkins, Greenfield, N. H.								
Cheshire Mash	G.	18.00	4.00	7.00	.....	.....	.....	Dried skimmed milk, wheat bran, corn meal, corn gluten feed, beef scraps, wheat middlings, alfalfa meal, pulverized oats, calcium carbonate, concentrated anti-rachitic oil, salt.
	F.	20.14	5.07	5.92	7.96	11.97	48.94	
Granite State Breeder Mash	G.	20.00	4.00	6.00	.....	.....	.....	Corn meal, wheat middlings, wheat bran, meat scraps, vacuum dried fish meal, dried whey, kelp, alfalfa leaf meal, ground oats, soybean oil meal, flavin concentrate, concentrated A and D feeding oil, animal liver meal, calcium carbonate, manganese sulphate, salt, D-activated animal sterol.
	F.	20.40	5.07	5.21	8.90	10.80	49.62	
Granite State Chick Starter	G.	20.00	4.00	6.00	.....	.....	.....	Corn meal, wheat bran, wheat middlings, pulverized oats, soybean meal, flavin concentrate, meat scraps, alfalfa leaf meal, kelp, vacuum dried fish meal, concentrated A and D feeding oil, calcium carbonate, dried whey, gluten meal, manganese sulphate, animal liver meal, salt, D-activated animal sterol.
	F.	20.84	4.57	5.44	9.98	9.55	49.62	
Granite State Complete Mash	G.	15.00	4.00	7.00	.....	.....	.....	Corn meal, ground oats, wheat bran, wheat middlings, alfalfa leaf meal, soybean meal, kelp, dried skimmed milk, meat scraps, vacuum dried fish meal, flavin concentrate, animal liver meal, calcium carbonate, manganese sulphate, concentrated anti-rachitic oil, salt.
	F.	17.16	4.97	5.74	9.34	7.87	54.92	
Granite State 20% Dairy Feed	G.	20.00	4.00	10.00	.....	.....	.....	Corn meal, gluten feed, cottonseed meal, old process linseed meal, ground oats, brewers' grains, wheat bran, soybean meal, distillers' grains, molasses, bone meal, kelp, calcium carbonate, salt.
	F.	21.93	5.31	7.80	7.84	8.90	48.22	
Granite State 24% Dairy Feed	G.	24.00	4.00	10.00	.....	.....	.....	Gluten feed, corn meal or hominy, old process oil meal, wheat bran, choice cottonseed meal, brewers' grains, molasses, ground oats, distillers' grains, soybean meal, calcium carbonate, kelp.
	F.	24.52	4.23	7.70	9.09	9.04	45.42	
Granite State Egg Mash	G.	19.00	4.00	5.50	.....	.....	.....	Dried whey, ground whole oats, ground whole corn, wheat middlings, wheat bran, gluten meal, soybean meal, meat scraps, alfalfa leaf meal, Pacific coast kelp, vacuum dried fish meal, calcium, D-activated animal sterol, salt, concentrated A and D feeding oil.
	F.	20.22	5.52	5.22	8.99	11.56	48.49	
Granite State Fitting Ration	G.	12.00	4.00	8.00	.....	.....	.....	Wheat bran, wheat middlings, corn meal, hominy, molasses, ground oats, old process linseed oil, soybean meal, calcium carbonate, kelp.
	F.	14.10	4.98	6.96	9.52	6.48	57.96	
Granite State Growing Mash	G.	19.00	4.00	6.00	.....	.....	.....	Corn meal, wheat bran, wheat middlings, soybean meal, alfalfa leaf meal, ground oats, meat scraps, dried whey, kelp, vacuum dried fish meal, calcium carbonate, concentrated A and D feeding oil, manganese sulphate, flavin concentrate, salt, D-activated animal sterol.
	F.	19.22	4.64	6.00	9.81	12.20	48.13	
Granite State Hog Ration	G.	18.00	5.00	7.00	.....	.....	.....	Corn meal, meat scraps, red dog, standard middlings, vacuum fish meal, soybean oil meal, alfalfa meal, Pacific coast kelp, calcium carbonate, charcoal.
	F.	19.61	5.00	7.51	9.60	7.66	50.62	

Granite State Horse Feed	G.	10.00	4.00	8.00	.....	.....	.....	Crimped heavy oats, wheat bran, cracked corn, old process oil meal, cane molasses, salt.
	F.	12.17	**3.57**	5.98	12.10	4.70	61.48	
Granite State Mixed Feed	G.	15.00	4.00	8.50	.....	.....	.....	Wheat bran, wheat red dog (bran may contain ground screenings not exceeding mill run).
	F.	16.90	3.84	6.50	10.51	5.60	56.65	
Granite State Stock Feed	G.	9.00	5.00	10.00	.....	.....	.....	Fine white hominy, wheat red dog, oat by-products (oat middlings, oat hulls, oat shorts), ½% salt, calcium carbonate.
	F.	10.42	5.46	8.67	8.59	5.43	61.43	
20% Open Formula Dairy Feed	G.	20.00	4.50	8.00	.....	.....	.....	400 lbs. yellow hominy, 400 lbs. wheat bran, 100 lbs. dried distillers' grains, 250 lbs. corn gluten feed, 120 lbs, 41% cottonseed, 200 lbs. soybean meal, 70 lbs. molasses, 200 lbs. ground oats, 20 lbs. calcium carbonate, 20 lbs. salt, 220 lbs. linseed meal.
	F.	22.64	**4.19**	7.29	9.78	6.98	49.12	
Page Dairy Feed	G.	21.00	4.00	9.00	.....	.....	.....	Corn meal or hominy, ground oats, wheat bran, dried corn distillers' grains, corn gluten feed, 41% cottonseed meal, soybean oil meal, molasses, calcium carbonate, salt, old process linseed meal.
	F.	22.98	4.45	8.18	9.08	9.26	46.05	
Red Tag Open Formula Dairy Feed	G.	20.00	3.50	12.00	.....	.....	.....	100 lbs. distillers' corn dried grains, 400 lbs. oat feed, 300 lbs. yellow hominy feed, 100 lbs. 41% cottonseed, 400 lbs. linseed oil meal, 60 lbs. cane molasses, 400 lbs. corn gluten feed, 100 lbs. soybean oil meal, 100 lbs. wheat bran, 20 lbs. calcium carbonate, 20 lbs. salt.
	F.	**21.10**	**3.75**	11.03	9.60	7.04	47.48	
Swain's Dairy Feed	G.	20.00	4.00	9.00	.....	.....	.....	Oil meal, cottonseed meal, corn meal, corn gluten meal, ground oats, wheat bran, dried beet pulp, calcium carbonate, salt, molasses.
	F.	21.89	4.24	8.00	8.91	6.81	50.15	
Trow Dairy Feed	G.	18.50	4.00	8.00	.....	.....	.....	Wheat bran, corn meal, occident mixed feed, ground oats, gluten feed, cottonseed meal, molasses, calcium carbonate, salt.
	F.	20.75	4.70	7.18	9.76	6.63	50.98	
Humphreys-Godwin Co., Memphis, Tenn.								
Dixie Brand 41% Protein Cottonseed Meal	G.	41.00	5.00	12.00	.....	.....	.....	Pressed cottonseed.
	F.	**40.43**	5.66	12.41	6.59	5.73	29.18	
International Milling Co., Minneapolis, Minn.								
Blackhawk Pure Wheat Bran	G.	15.00	3.20	12.00	.....	.....	.....	
	F.	17.86	4.94	9.89	9.30	6.34	51.67	
Blackhawk Wheat Red Dog	G.	16.00	3.50	4.00	.....	.....	.....	
	F.	17.86	**3.21**	2.89	11.27	2.63	62.14	
Ismert-Hincke Milling Co., Kansas City, Mo.								
I-H Oracle Pure Wheat Bran	G.	16.00	3.50	11.00	.....	.....	.....	Pure wheat bran.
	F.	16.59	4.47	10.48	10.06	7.11	51.29	
Ralph P. Johnson & Son., Potter Place, N. H.								
Johnson's Chick Starter	G.	16.00	3.00	10.00	.....	.....	.....	Corn meal, wheat bran, wheat middlings, feeding oat meal, meat scraps, dried skimmed milk, alfalfa meal, fish meal, soybean meal, calcite flour, produlac, manganese sulphate, 1% salt, exadol (vitamin A and D oil).
	F.	19.30	5.11	5.31	9.77	8.53	51.98	

Manufacturer Brand	Pounds in 100 lbs. of Feedingstuffs							Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Johnson's Dairy Feed	G.	16.00	3.00	9.00	.....	.....	.....	Corn meal, linseed meal, cottonseed meal, ground oats, wheat bran, gluten feed, 1% salt.
	F.	20.23	3.38	6.24	9.70	8.08	52.37	
Johnson's Growing Mash	G.	14.00	3.50	8.00	.....	.....	.....	Corn meal, wheat bran, wheat middlings, ground oats, dried skimmed milk, fish meal, meat scraps, alfalfa meal, soybean meal, gluten feed, calcite flour, produlac, manganese sulphate, 1% salt, exadol (vitamin A and D oil).
	F.	16.59	4.68	5.03	10.71	7.74	55.25	
Johnson's Mash Feed	G.	16.00	4.00	7.00	.....	.....	.....	Corn meal, ground oats, wheat middlings, wheat bran, meat scraps, gluten feed, alfalfa meal, charcoal, soybean meal, dried skimmed milk, produlac, calcite flour, bone meal, 1% salt, exadol (vitamin A and D oil).
	F.	17.69	4.56	5.61	9.96	9.78	52.40	
Kasco Mills, Waverly, N. Y.								
Apex 20% Dairy Ration	G.	20.00	3.50	12.00	.....	.....	.....	Cottonseed meal, corn gluten feed, corn gluten meal, wheat bran, ground wheat screenings, oat mill feed (oat middlings, oat shorts, oat hulls), malt sprouts, dried brewers' grains, corn distillers' grains, cane molasses, 1% salt, 1% calcite, soybean oil meal.
	F.	20.22	3.77	9.55	9.17	8.79	48.50	
Beatsall Milk Grains	G.	22.00	4.00	10.00	.....	.....	.....	Wheat bran, wheat middlings, linseed oil meal, corn distillers' grains, corn gluten feed, corn gluten meal, cottonseed meal, soybean oil meal, hominy feed, ¾% salt, 1% calcite, beet pulp, molasses.
	F.	23.82	5.01	7.29	8.94	6.88	48.06	
Kasco All Mash Grower	G.	14.00	4.00	7.00	.....	.....	.....	Wheat red dog, pulverized oats, ground oat meal, wheat middlings, wheat bran, corn meal, meat scraps, fish meal, bone meal, linseed oil meal, soybean oil meal, dried skimmed milk (feeding), dried whey, riboflavin concentrate, ½% salt, tested cod liver oil, calcite, alfalfa leaf meal.
	F.	14.23	4.42	5.41	9.80	5.42	60.72	
Kasco All Mash Laying and Breeding Ration	G.	15.00	4.00	6.50	.....	.....	.....	Corn meal, pulverized oats, ground oat meal, wheat bran, wheat middlings, wheat red dog, linseed oil meal, soybean oil meal, ground barley, meat scraps, bone meal, fish meal, dried skimmed milk (feeding), dried whey, riboflavin concentrate, ½% salt, calcite, tested cod liver oil, alfalfa leaf meal, 0.0063% manganese sulphate.
	F.	16.11	4.55	4.98	10.69	8.01	55.66	
Kasco Body Builder	G.	15.00	4.00	7.00	.....	.....	.....	Corn meal, corn germ meal, molasses, ground oat meal, wheat bran, wheat middlings, wheat red dog, ground barley, linseed oil meal, alfalfa leaf meal, meat scraps, bone meal, fish meal, soybean oil meal, dried skimmed milk (feeding), dried whey, riboflavin concentrate, pulverized oats, tested cod liver oil, ½% salt, calcite.
	F.	16.86	4.82	5.64	8.81	8.51	55.36	
Kasco Broiler Starter Ration	G.	18.00	4.00	7.50	.....	.....	.....	Wheat bran, wheat middlings, wheat red dog, linseed oil meal, corn gluten meal, corn meal, ground oat meal, pulverized oats, meat scraps, bone meal, alfalfa leaf meal, dried whey, riboflavin concentrate, dried skimmed milk (feeding), tested cod liver oil, salt, calcite, soybean oil meal, fish meal, 0.0063% manganese sulphate.
	F.	21.23	4.50	5.84	9.67	7.56	51.20	
Kasco Egg Producer	G.	20.00	4.00	7.50	.....	.....	.....	Wheat bran, wheat middlings, corn meal, linseed oil meal, soybean oil meal, pulverized oats, ground barley, meat scraps, bone meal, fish meal, dried skimmed milk, dried whey, riboflavin concentrate, ¾% salt, calcite, 0.0125% manganese sulphate, tested cod liver oil, alfalfa meal, ground oat meal.
	F.	21.45	4.62	5.54	9.84	10.53	48.02	

Kasco Fitting Ration	G.	14.00	3.50	8.00	.....	.....	.....	Wheat bran, corn feed meal, hominy feed, ground barley, crushed oats, ground oats, linseed oil meal, soybean oil meal, cane molasses, bone meal, 1% salt, calcite.
	F.	14.01	4.25	5.34	11.10	5.65	59.65	
Kasco Laying and Breeding Mash	G.	20.00	4.00	7.50	.....	.....	.....	Wheat bran, wheat middlings, wheat red dog, corn meal, linseed oil meal, soybean oil meal, pulverized oats, ground oat meal, meat scraps, bone meal, fish meal, dried skimmed milk (feeding), dried whey, riboflavin concentrate, ¾% salt, calcite, tested cod liver oil, alfalfa leaf meal, 0.0125% manganese sulphate.
	F.	20.92	4.64	6.07	9.96	8.52	49.89	
Kasco Open Formula 20% Dairy Ration	G.	20.00	3.50	10.00	.....	.....	.....	250 lbs. wheat bran, 150 lbs. wheat middlings, 150 lbs. hominy feed, 150 lbs. ground barley, 50 lbs. ground oats, 100 lbs. malt sprouts, 150 lbs. dried brewers' grains, 250 lbs. corn gluten feed, 150 lbs. soybean oil meal, 50 lbs. 41% cottonseed meal, 200 lbs. linseed oil meal, 250 lbs. cane molasses, 25 lbs. salt, 25 lbs. calcite, 50 lbs. corn distillers' grains.
	F.	21.36	4.10	7.29	9.47	7.35	50.43	
Kasco Pig-Hog Feed	G.	17.00	4.00	8.00	.....	.....	.....	Wheat red dog, fine ground barley, corn meal, linseed oil meal, soybean oil meal, wheat middlings, corn germ meal, fish meal, digester tankage, ½% salt, 1% calcite, red oxide of iron, 0.005% potassium iodide, choice alfalfa meal.
	F.	18.47	5.47	6.89	9.27	6.97	52.93	
Kasco Poultry Flushing Mash	G.	17.00	3.50	6.00	.....	.....	.....	Wheat red dog, ground oat meal, wheat middlings, wheat bran, corn meal, pulverized oats, meat scraps, fish meal, bone meal, linseed oil meal, soybean oil meal, dried whey, riboflavin concentrate, ½% salt, tested cod liver oil, calcite, alfalfa leaf meal.
	F.	17.86	3.84	5.22	8.02	9.05	56.01	
Kasco Sulphurized Poultry Pellets	G.	15.00	3.50	7.00	.....	.....	.....	Wheat red dog, pulverized oats, ground oat meal, wheat middlings, wheat bran, corn meal, meat scraps, fish meal, bone meal, linseed oil meal, soybean oil meal, dried skimmed milk (feeding), dried whey, riboflavin concentrate, gluten meal, flowers of sulphur, ½% ferric oxide.
	F.	15.89	4.93	4.88	7.13	6.18	60.99	
Kasco Turkey Grower	G.	20.00	4.00	8.00	.....	.....	.....	Wheat bran, wheat middlings, linseed oil meal, corn meal, pulverized oats, meat scraps, bone meal, dried skimmed milk, dried whey, riboflavin concentrate, fish meal, soybean oil meal, ½% salt, calcite, tested cod liver oil, alfalfa meal.
	F.	21.32	4.47	6.97	8.07	8.65	50.52	
Kellogg Company, Battle Creek, Mich.								
Kellogg's Hominy Feed	G.	10.00	6.00	5.00	.....	.....	.....	
	F.	11.82	7.09	4.73	7.59	2.76	66.01	Pure white corn.
Kuiper & Bolle, New York, N. Y.								
Kay-Bee Brand Linseed Meal	G.	32.00	5.00	10.00	.....	.....	.....	
	F.	34.50	5.84	8.29	8.90	5.10	37.37	Linseed meal.
Lakeside Milling Co., Toronto, Canada								
Sea Gull Wheat Shorts	G.	16.00	5.00	8.00	.....	.....	.....	
	F.	18.91	5.72	7.94	10.37	4.59	52.47	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Larrowe Milling Co., Detroit, Mich.								
Dried Beet Pulp	G.	7.00	0.30	22.50	.....	.....	.....	Composed only of residue of sugar beets dried after extraction of sugar.
	F.	9.19	0.54	20.17	6.92	3.21	59.97	
Larro Broiler Feed	G.	20.00	3.50	7.00	.....	.....	.....	Yellow corn meal, wheat standard middlings, corn gluten meal, alfalfa meal, soybean oil meal, wheat bran, ground oats, fish meal, meat and bone scrap, dried skimmed milk, dried whey, flavin concentrate, 2.5% limestone, 0.5% salt, vitamin A and D feeding oil (400 A.O.A.C. units of vitamin D and 4000 U.S.P. units vitamin A per gram), 0.0125% manganese dioxide.
	F.	20.88	4.04	5.86	9.53	7.83	51.86	
Larro Calf Builder	G.	25.00	4.00	4.50	.....	.....	.....	Oat meal, wheat standard middlings, yellow corn meal, old process linseed oil meal, soybean oil meal, blood flour, dried skimmed milk, dried buttermilk, vitamin A and D feeding oil (400 A.O.A.C. units of vitamin D and 4000 U.S.P. units of vitamin A per gram), 1½% limestone, ½% salt.
	F.	25.08	4.52	3.98	8.50	5.88	52.04	
Larro Chick Builder	G.	19.00	4.00	7.00	.....	.....	.....	Wheat standard middlings, yellow corn meal, wheat bran, ground barley, corn gluten meal, ground oats, meat and bone scrap, fish meal, soybean oil meal, alfalfa meal, dried skimmed milk, dried whey, flavin concentrate, 2.5% limestone, 0.5% salt, vitamin A and D feeding oil (400 A.O.A.C. units of vitamin D and 4000 U.S.P. units of vitamin A per gram), 0.0125% manganese dioxide.
	F.	20.75	4.24	6.46	8.65	9.07	50.83	
Larro 16 Dairy Feed	G.	16.00	3.00	11.00	.....	.....	.....	Cottonseed meal, corn gluten feed, corn distillers' dried grains, wheat standard middlings, old process linseed oil meal, yellow corn meal, dried beet pulp, wheat bran, 1% salt.
	F.	17.73	3.48	9.97	9.13	6.08	53.61	
Larro Egg Mash	G.	20.00	4.00	8.00	.....	.....	.....	Yellow corn meal, wheat standard middlings, wheat bran, soybean oil meal, ground barley, meat and bone scrap, alfalfa meal, ground oats, fish meal, dried skimmed milk, dried whey, flavin concentrate, 2.5% limestone, 0.5% salt, vitamin A and D feeding oil (400 A.O.A.C. units of vitamin D and 4000 U.S.P. units vitamin A per gram), 0.0125% manganese dioxide.
	F.	20.40	4.86	6.84	9.53	9.54	48.83	
Larro Pig and Hog Builder	G.	17.50	4.00	7.50	.....	.....	.....	Wheat bran, yellow corn meal, wheat standard middlings, fish meal, meat and bone scrap, old process linseed oil meal, soybean oil meal, alfalfa meal, dried beet pulp, 1¾% limestone, ¾% salt.
	F.	18.74	4.43	6.89	9.53	7.78	52.63	
Larro, the Ready Ration for Dairy Cows	G.	20.00	3.75	12.00	.....	.....	.....	Cottonseed meal, yellow corn meal, wheat standard middlings, soybean oil meal, old process linseed oil meal, corn gluten feed, corn distillers' dried grains, dried beet pulp, wheat bran, ½% limestone, 1% salt.
	F.	21.89	4.09	9.59	8.76	6.53	49.14	
H. D. Lee Flour Mills Co., Salina, Kan.								
Wheat Bran and Ground Wheat Screenings	G.	15.50	3.50	11.00	.....	.....	.....	Wheat bran and ground wheat screenings not to exceed 8%.
	F.	16.85	4.06	9.34	10.70	6.64	52.41	

L. B. Lovitt & Co., Memphis, Tenn.								
Lovit Brand 41% Protein Cottonseed Meal	G.	41.00	5.00	13.00	.....	.....	.....	
	F.	38.76	7.48	9.29	7.31	6.44	30.72	
Maine Fish Meal Co., Portland, Me.								
Maine Vitamin D Fish Meal	G.	55.00	10.00	.....	.....	.....	.....	5-7% salt.
	F.	55.04	15.96	.....	8.12	18.57	.....	
Maple Leaf Milling Co., Toronto, Canada								
Maple Leaf Red Dog	G.	16.50	3.50	4.50	.....	.....	.....	
	F.	17.60	5.17	6.23	10.15	4.37	56.48	
Rex Wheat Middlings	G.	16.00	5.00	9.00	.....	.....	.....	
	F.	16.11	5.03	8.39	9.62	4.88	55.97	
Maritime Milling Co., Buffalo, N. Y.								
B-B Calf Starter Ration	G.	18.50	3.00	8.00	.....	.....	.....	Fortified cod liver oil, wheat germ oil, irradiated brewers' yeast, kelp meal, dried skimmed milk, soluble blood flour, wheat red dog, wheat standard middlings, wheat bran, hominy feed, corn meal, crimped oats, oat flour, California alfalfa leaf meal, corn gluten meal, old process linseed oil meal, soybean oil meal, beet pulp, molasses, riboflavin supplement, steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	22.07	3.27	7.12	10.37	8.22	48.95	
B-B Dry and Fresh Cow Fitting Ration	G.	13.00	3.75	9.00	.....	.....	.....	Wheat germ oil, dried beet pulp, hominy feed, corn meal, alfalfa meal, soybean oil meal, crimped oats, wheat bran, old process linseed oil meal, corn gluten feed, molasses, kelp meal, steamed bone meal, calcium carbonate, salt, potassium iodide, irradiated brewers' yeast.
	F.	15.59	3.31	8.04	11.60	6.73	54.73	
B-B Egg Mash	G.	20.00	3.50	9.00	.....	.....	.....	Fortified cod liver oil, dried buttermilk, alfalfa meal, wheat bran, wheat standard middlings, soybean oil meal, corn gluten meal, corn meal, pulverized barley, pulverized oats, meat and bone meal, fish meal, calcium carbonate, salt, manganese sulphate.
	F.	20.97	4.50	7.66	8.43	11.47	46.97	
B-B Flushing and Conditioning Mash	G.	14.00	2.50	4.00	.....	.....	.....	Fortified cod liver oil, shark liver oil, dried cheese whey, dried buttermilk, dehydrated alfalfa leaf meal, wheat standard middlings, corn meal, ground oat meal, soybean oil meal, meat and bone meal, fish meal, calcium carbonate, salt, potassium iodide.
	F.	15.72	4.54	4.32	8.40	6.09	60.93	
B-B Growing Mash	G.	15.00	4.00	8.00	.....	.....	.....	Fortified cod liver oil, dried cheese whey, dried buttermilk, dehydrated alfalfa meal, wheat bran, wheat standard middlings, ground wheat, corn gluten meal, corn meal, pulverized heavy oats, pulverized barley, ground oat meal, soybean oil meal, meat and bone meal, fish meal, calcium carbonate, salt, potassium iodide, manganese sulphate.
	F.	19.44	4.74	7.09	8.13	7.23	53.37	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
B-B Hi-Test Dairy Feed 20% Protein Sweetened	G.	20.00	4.00	12.00	.....	.....	.....	Dried brewers' grains, cottonseed meal, corn gluten feed, soybean oil meal, hominy feed, ground oats, corn meal, cleaned, pulverized and bolted screenings from wheat, oats and barley, wheat bran, molasses, steamed bone meal, calcium carbonate, salt, old process linseed oil meal.
	F.	21.98	**3.33**	9.55	9.62	7.72	47.80	
B-B Hi-Test Dairy Feed 24% Protein	G.	24.00	4.00	12.00	.....	.....	.....	Dried brewers' grains, cottonseed meal, corn gluten feed, soybean oil meal, hominy feed, ground oats, cleaned, pulverized and bolted screenings from wheat, oats and barley, wheat bran, molasses, steamed bone meal, calcium carbonate, salt, old process linseed oil meal.
	F.	25.39	**3.73**	8.36	9.37	8.14	45.01	
B-B Horse Feed	G.	9.00	2.00	10.00	.....	.....	.....	Molasses, cracked corn, wheat bran, crushed oats, alfalfa meal, old process linseed oil meal, calcium carbonate, salt.
	F.	10.81	3.68	7.12	9.91	6.07	62.41	
B-B Layer and Breeder Mash	G.	20.00	4.50	7.00	.....	.....	.....	Fortified cod liver oil, liver meal, kelp meal, dried cheese whey, dried buttermilk, California alfalfa leaf meal, wheat bran, wheat standard middlings, soybean oil meal, corn gluten meal, corn meal, pulverized heavy oats, pulverized barley, ground oat meal, meat and bone meal, fish meal, calcium carbonate, salt, potassium iodide, manganese sulphate.
	F.	**18.23**	4.50	7.14	8.36	13.30	48.47	
B-B Marmico 16% Protein Dairy Feed with Molasses	G.	16.00	4.00	12.00	.....	.....	.....	Dried brewers' grains, soybean oil meal, cottonseed meal, corn gluten feed, corn meal, cleaned, pulverized and bolted screenings from wheat, oats and barley, wheat bran, molasses, steamed bone meal, calcium carbonate, salt, old process linseed oil meal.
	F.	18.08	**3.74**	10.20	9.78	8.72	49.48	
Bull Brand B-B 20 Dairy Ration Sweetened	G.	20.00	4.00	9.00	.....	.....	.....	Dried brewers' grains, corn distillers' grains, cottonseed meal, corn gluten feed, soybean oil meal, old process linseed oil meal, hominy feed, corn meal, wheat bran, wheat standard middlings, molasses, steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	23.56	**3.45**	8.35	7.82	7.64	49.18	
Dollar Maker Egg Mash	G.	19.00	3.50	8.00	.....	.....	.....	Dried cheese whey, fortified sardine oil, wheat bran, wheat standard middlings, corn gluten meal, soybean oil meal, alfalfa meal, corn meal, pulverized oats, pulverized barley, meat scraps, riboflavin supplement, steamed bone meal, calcium carbonate, salt.
	F.	21.45	4.14	8.84	8.73	7.29	49.55	
Merrimack Farmers' Exchange, Concord, N. H.								
Merrimack All Mash	G.	15.00	4.00	6.00	.....	.....	.....	Corn meal, soybean oil meal, ground oats, oat groats, wheat bran, cracked wheat, alfalfa meal, meat scraps, fish meal, dried skimmed milk, steamed bone meal, calcium carbonate, tested oil, salt, manganese sulphate, riboflavin concentrate (source of vitamin G).
	F.	17.34	4.64	4.06	10.50	6.11	57.35	
Merrimack Baby Chick Starter	G.	18.00	4.00	5.00	.....	.....	.....	Soybean oil meal, corn meal, fine cracked corn, wheat flour middlings, wheat standard middlings, wheat bran, cracked wheat, alfalfa meal, meat scraps, fish meal, ground oat groats, cut oat groats, dried skimmed milk, steamed bone meal, calcium carbonate, tested oil, salt, manganese sulphate, riboflavin concentrate (source of vitamin G).
	F.	18.52	4.82	3.75	9.86	7.68	55.37	

Merrimack Breeder Mash	G.	19.50	5.00	6.00	.....	.....	.....	Soybean oil meal, corn meal, ground oats, wheat bran, wheat flour middlings, wheat standard middlings, alfalfa meal, cracked wheat, meat scraps, fish meal, dried milk products, riboflavin concentrate (source of vitamin G), manganese sulphate, tested oil, calcium carbonate, salt.
	F.	19.87	4.91	5.78	9.95	7.71	51.78	
Merrimack Calf Starter	G.	18.00	4.00	4.00	.....	.....	.....	Corn meal, rolled oats, wheat bran, corn gluten feed, linseed oil meal, soybean oil meal, vitamin D fish meal, dried skimmed milk, cane molasses, edible bone, B-Y feed, calcium carbonate, salt, fortified cod liver oil, irradiated dry yeast.
	F.	19.22	5.13	3.86	10.51	7.00	54.28	
Merrimack 16% Dairy Ration	G.	16.00	4.50	8.00	.....	.....	.....	Corn gluten feed, wheat bran, ground oats, corn meal, hominy feed, cottonseed meal, soybean oil meal, wheat standard middlings, cane molasses, calcium carbonate, salt, steamed bone meal, linseed oil meal.
	F.	18.83	**4.05**	6.12	10.40	6.65	53.95	
Merrimack Dairy Ration	G.	20.00	4.50	10.00	.....	.....	.....	Corn gluten feed, cottonseed meal, brewers' dried grains, corn meal, soybean oil meal, linseed oil meal, wheat bran, wheat standard middlings, ground oats, steamed bone meal, calcium carbonate, distillers' dried grains, salt.
	F.	21.93	4.75	8.09	9.26	7.05	48.92	
Merrimack Eureka Dairy	G.	20.00	4.00	11.00	.....	.....	.....	Oat feed, gluten meal, corn meal, cottonseed, bran, gluten feed, soybean oil meal, linseed oil meal, molasses, salt, calcium carbonate.
	F.	20.84	3.92	10.34	9.50	7.01	48.39	
Merrimack Fitting Ration	G.	14.00	4.50	8.00	.....	.....	.....	Soybean oil meal, ground oats, corn meal, wheat bran, linseed oil meal, cane molasses, calcium carbonate, steamed bone meal, salt, tested oil, irradiated dry yeast.
	F.	15.85	4.74	7.48	9.62	6.49	55.82	
Merrimack Growing Mash	G.	17.00	4.25	6.00	.....	.....	.....	Soybean oil meal, corn meal, wheat bran, wheat flour middlings, wheat standard middlings, ground oats, alfalfa meal, fish meal, meat scraps, steamed bone meal, dried skimmed milk, calcium carbonate, salt, tested oil, manganese sulphate, riboflavin concentrate (source of vitamin G).
	F.	19.79	4.87	5.04	9.59	8.38	52.33	
Merrimack Heavy Wheat Feed ..	G.	15.00	4.00	9.00	.....	.....	.....	Bran, second clear flour.
	F.	17.60	4.73	6.79	10.96	5.13	54.79	
Merrimack Horse Feed	G.	11.00	3.75	6.25	.....	.....	.....	Whole oats, yellow cracked corn, wheat bran, linseed oil meal, cane molasses, calcium carbonate, salt.
	F.	11.47	3.51	5.71	11.65	4.76	62.90	
Merrimack Laying Mash	G.	19.00	4.25	6.00	.....	.....	.....	Soybean oil meal, corn meal, wheat bran, wheat flour middlings, wheat standard middlings, ground oats, alfalfa meal, fish meal, meat scraps, dried skimmed milk, calcium carbonate, steamed bone meal, tested oil, salt, manganese sulphate, riboflavin concentrate (source of vitamin G).
	F.	19.57	5.14	4.64	9.67	8.27	52.71	
Merrimack Milk Ration Sweetened	G.	20.00	4.00	8.50	.....	.....	.....	Wheat bran, wheat standard middlings, corn gluten feed, corn gluten meal, linseed oil meal, soybean oil meal, cottonseed meal, ground oats, corn meal, brewers' dried grains, cane molasses, steamed bone meal, distillers' grains, calcium carbonate, salt.
	F.	21.28	4.18	7.76	9.66	7.32	49.80	
Merrimack Pig Ration	G.	17.00	5.00	7.00	.....	.....	.....	Wheat standard middlings, wheat bran, hominy feed, corn meal, meat scraps, fish meal, wheat red dog, salt, calcium carbonate, charcoal, tested oil, irradiated dry yeast, soybean meal, alfalfa meal.
	F.	19.26	5.86	6.95	9.13	7.31	51.49	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Merrimack Special Mash	G.	19.00	5.00	8.00	.....	.....	.....	Soybean oil meal, wheat standard middlings, corn meal, alfalfa meal, wheat bran, ground oats, meat scraps, fish meal, calcium carbonate, salt, tested oil, manganese sulphate.
	F.	20.05	5.00	6.29	9.46	8.46	50.74	
Merrimack Super Mash	G.	19.00	5.00	6.00	.....	.....	.....	Soybean oil meal, corn meal, ground oat groats, ground oats, wheat flour middlings, wheat standard middlings, wheat bran, alfalfa meal, meat scraps, fish meal, dried skimmed milk, calcium carbonate, steamed bone meal, tested oil, salt, manganese sulphate, riboflavin concentrate (source of vitamin G).
	F.	20.49	4.71	4.08	10.55	7.65	52.52	
Merrimack 18% War Ration	G.	18.00	3.00	8.00	.....	.....	.....	Corn gluten feed, linseed oil meal, wheat bran, corn meal, ground wheat, salt, steamed bone meal, calcium carbonate.
	F.	21.27	3.51	5.58	9.91	6.98	52.75	
Miner-Hillard Milling Co., Wilkes-Barre, Pa.								
Choice Steam Cooked Hominy Feed	G.	10.00	5.00	5.00	.....	.....	.....	
	F.	11.38	6.46	4.48	9.19	2.92	65.57	
James F. Morse & Co., Somerville, Mass.								
Morse's 50% Meat Scraps	G.	50.00	8.00	.....	.....	.....	.....	
	F.	50.66	10.63	.....	4.65	31.16	.....	
Muir & Company, New York, N. Y.								
32% Protein Old Process Linseed Meal	G.	32.00	5.00	10.00	.....	.....	.....	Linseed meal.
	F.	34.06	5.93	8.01	9.05	5.40	37.55	
National Breweries Limited, Montreal, Canada								
Dried Brewers' Grains	G.	21.00	6.25	19.58	.....	.....	.....	
	F.	25.17	6.79	13.57	7.68	3.84	42.95	
National Distillers Products Corp., New York, N. Y.								
Produlac Dried Corn Distillers' Grains with Solubles	G.	27.00	8.00	9.00	.....	.....	.....	
	F.	28.45	8.89	8.06	6.17	4.17	44.26	
Neumond Company, St. Louis, Mo.								
Neumond 28% Corn Distillers' Grains	G.	28.00	8.00	15.00	.....	.....	.....	
	F.	31.83	11.57	12.11	6.33	1.54	36.62	

New England Grain Co., Portland, Me.								
New England Complete Laying Mash	G.	15.00	5.00	6.00	.....	.....	.....	Dried milk, ground wheat, yellow corn meal, pure wheat bran, wheat flour middlings, fish meal, meat scraps, alfalfa leaf meal, feeding oat meal, cod liver oil, cod liver meal, molasses, calcium carbonate, salt.
	F.	16.81	5.06	5.70	9.18	7.28	55.97	
New England Pig and Hog Ration	G.	15.00	5.00	10.00	.....	.....	.....	Ground corn, flour middlings, red dog, meat meal, fish meal, alfalfa leaf meal, linseed oil meal, molasses, salt.
	F.	17.51	5.84	6.02	9.53	8.24	52.86	
New England Sterling 20% Dairy Feed	G.	20.00	4.00	12.50	.....	.....	.....	Gluten feed, cottonseed meal, wheat bran, wheat middlings, soybean meal, malt sprouts, linseed oil meal, dried distillers' grains, corn meal, molasses, salt.
	F.	21.54	4.29	11.13	8.58	6.69	47.77	
New England Sterling Laying Mash	G.	20.00	5.00	8.00	.....	.....	.....	Ground corn, wheat and oats, wheat middlings, wheat bran, meat scraps, linseed oil meal, fish meal, alfalfa leaf meal, dried milk, cod liver oil, shell flour, molasses, salt.
	F.	22.15	5.36	6.32	8.77	10.07	47.33	
New England 3 in 1 Mash	G.	17.00	5.00	6.00	.....	.....	.....	Fortified cod liver oil, cod liver meal, dried milk, feeding oat meal, alfalfa leaf meal, fish meal, meat meal, flour middlings, pure wheat bran, ground corn, shell flour, ground wheat, molasses, salt.
	F.	18.04	5.38	5.76	9.15	8.78	52.89	
New England Rendering Co., Brighton, Mass.								
Boston Pure Cod and Haddock Meal	G.	62.00	3.00	.....	.....	.....	.....	
	F.	**61.41**	9.59	.....	7.40	20.55	.....	
Ogden Grain Co., Utica, N. Y.								
Biddy Laying Mash	G.	18.00	4.00	7.00	.....	.....	.....	Alfalfa meal, pulverized oats, meat scraps, fish meal, dried skimmed milk, soybean oil meal, corn meal, ground wheat, wheat bran, wheat middlings (may contain mill run screenings), salt, oyster shell meal, cod liver oil, molasses, potassium iodide, manganese.
	F.	18.52	4.24	6.24	10.19	9.05	51.76	
Pilgrim 20% Breeder	G.	20.00	4.00	8.00	.....	.....	.....	Dried skimmed milk, dehydrated alfalfa meal, vacuum dried fish meal, meat scraps, yellow corn meal, soybean meal, wheat bran, wheat middlings, ground oats, locust bean meal, blood flour, rice polish, potassium iodide, calcium carbonate, yeast, salt, cod liver oil, wheat germ oil, manganese.
	F.	21.89	6.08	5.87	10.18	9.61	46.37	
Pilgrim Fitting Ration	G.	12.50	4.00	7.00	.....	.....	.....	Old process linseed oil meal, wheat bran, corn meal or hominy, crushed oats, ground barley, ground wheat, cane molasses, calcium carbonate, salt, bone meal, potassium iodide.
	F.	14.58	4.00	6.94	10.70	6.17	57.61	
Pilgrim Laying Mash	G.	20.00	4.00	7.00	.....	.....	.....	Alfalfa meal, pulverized oats, meat scraps, fish meal, dried skimmed milk, soybean oil meal, corn meal, ground wheat, wheat bran, wheat middlings (may contain mill run screenings), salt, oyster shell meal, cod liver oil, potassium iodide, manganese, vitadine.
	F.	20.70	4.70	6.32	10.11	8.55	49.62	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Pilgrim Starter and Broiler Ration	G.	19.00	4.00	7.00	.....	.....	.....	Vacuum dried fish meal, meat scraps, dehydrated alfalfa meal, corn meal, gluten meal, soybean oil meal, ground oats, wheat bran, wheat middlings, dried skimmed milk, locust bean meal, blood flour, rice polish, potassium iodide, calcium carbonate, yeast, salt, cod liver oil, wheat germ oil, manganese.
	F.	19.92	5.31	6.02	9.43	8.63	50.69	
Thrift 20% Dairy Feed	G.	20.00	3.25	8.50	.....	.....	.....	Soybean oil meal, old process linseed oil meal, corn gluten feed, gluten meal, ground corn, ground oats, ground wheat, cottonseed meal, wheat bran, wheat middlings (may contain mill run screenings), dried brewers' grains, molasses, calcium carbonate, salt, potassium iodide.
	F.	19.58	3.61	9.21	9.44	7.59	50.57	
Thrift Growing Mash	G.	16.00	4.00	8.00	.....	.....	.....	Corn meal, soybean oil meal, alfalfa meal, ground oats, ground barley, meat scraps, fish meal, wheat bran, wheat middlings, cod liver oil, calcium carbonate, salt, potassium iodide, manganese, dried skimmed milk.
	F.	16.99	4.84	5.99	9.98	8.17	54.03	
Thrift Starter and Broiler Ration	G.	18.00	4.00	6.00	.....	.....	.....	Corn meal, gluten meal, soybean oil meal, alfalfa leaf meal, fine ground oats, ground barley, meat scraps, fish meal, wheat bran, standard middlings, cod liver oil, oyster shell meal, salt, potassium iodide, manganese, vitadine, dried skimmed milk.
	F.	18.00	4.43	4.97	10.01	8.52	54.07	
Omar, Incorporated, Omaha, Nebr.								
Omar Pure Wheat Bran	G.	15.00	3.00	11.00	.....	.....	.....	Pure wheat bran.
	F.	16.99	4.94	8.75	9.79	6.24	53.29	
Oswego Soy Products Co., Oswego, N. Y.								
Old Process Expeller 41% Protein Soybean Oil Meal	G.	41.00	4.50	7.00	.....	.....	.....	Soybean oil meal.
	F.	42.29	5.71	5.56	12.06	5.31	29.07	
Park & Pollard Co., Boston, Mass.								
Bidwell 20% Dairy Ration	G.	20.00	3.50	12.00	.....	.....	.....	Wheat bran, linseed oil meal, malt sprouts, gluten feed, ground oats, gluten meal, brewers' dried grains, soybean oil meal, ground barley, cottonseed meal, ground grain screenings from wheat, oats, barley, buckwheat and milo, molasses, calcium carbonate, salt.
	F.	21.89	3.74	10.52	8.59	8.00	47.26	
Bidwell Laying Mash	G.	20.00	3.00	8.00	.....	.....	.....	Dried buttermilk, alfalfa meal, corn meal, ground oats, ground barley, wheat bran (may contain mill run wheat screenings), wheat middlings, fish meal, meat and bone meal, linseed oil meal, corn gluten meal, soybean oil meal, calcium carbonate, salt, manganese sulphate, vitamin tested cod liver oil.
	F.	21.10	2.77	5.67	9.26	8.36	52.84	
Bulky Sweet Dairy Feed	G.	12.00	2.50	12.00	.....	.....	.....	Beet pulp, brewers' dried grains, wheat bran, gluten feed, hominy, ground barley, alfalfa meal, molasses, calcium carbonate, salt.
	F.	14.84	2.72	11.82	11.13	7.56	51.93	
Corn and Oats Half and Half	G.	10.00	3.00	8.00	.....	.....	.....	Ground corn and oats.
	F.	10.50	4.12	5.21	11.00	2.23	66.94	

Doublex 16% Dairy Ration	G.	16.00	3.50	12.00	.....	.....	.....	Corn distillers' grains, ground oats, ground barley, brewers' dried grains, malt sprouts, linseed oil meal, cottonseed meal, ground grain screenings from wheat, oats, barley, buckwheat and milo, hominy, soybean oil meal, corn gluten feed, molasses, calcium carbonate, salt.
	F.	20.05	4.14	10.32	9.08	8.25	48.16	
Doublex 20% Dairy Ration	G.	20.00	3.50	11.00	.....	.....	.....	Linseed oil meal, corn gluten feed, brewers' dried grains, ground oats, corn gluten meal, soybean oil meal, hominy, corn distillers' grains, ground barley, wheat bran, malt sprouts, cottonseed meal, ground grain screenings from wheat, oats, barley, buckwheat and milo, molasses, calcium carbonate, salt.
	F.	23.20	5.36	8.89	9.35	6.60	46.60	
Doublex 24% Dairy Ration	G.	24.00	3.50	11.00	.....	.....	.....	Wheat bran, linseed oil meal, brewers' dried grains, soybean oil meal, hominy, ground oats, malt sprouts, corn gluten meal, cottonseed meal, corn gluten feed, ground grain screenings from wheat, oats, barley, buckwheat and milo, molasses, calcium carbonate, salt.
	F.	24.87	3.64	7.88	8.38	7.99	47.24	
Go-Tu-It Pig and Hog Ration	G.	15.00	3.00	8.00	.....	.....	.....	Alfalfa meal, hominy meal, ground barley, fish meal, meat, bone, corn meal, wheat middlings, calcium carbonate, salt.
	F.	17.16	3.34	6.83	9.67	9.95	53.05	
Hi-Valu Scratch Feed (Pellets) ..	G.	11.50	2.50	8.00	.....	.....	.....	Ground yellow corn, wheat, oats, barley and buckwheat, alfalfa meal, wheat middlings, corn gluten feed, hominy, molasses, calcium carbonate, manganese sulphate, cod liver oil.
	F.	13.35	2.86	6.37	10.25	5.66	61.51	
Lay or Bust Dry Mash	G.	20.00	3.00	7.00	.....	.....	.....	Dried buttermilk, alfalfa leaf meal, corn gluten meal, fish meal, ground yellow corn, ground barley, meat scraps, linseed oil meal, ground oats, soybean oil meal, wheat bran (may contain mill run wheat screenings), wheat middlings, calcium carbonate, salt, manganese sulphate, vitamin tested cod liver oil.
	F.	19.65	3.11	7.00	9.70	9.20	51.34	
Milkmaid 20% Dairy Ration	G.	20.00	4.00	10.00	.....	.....	.....	Corn gluten feed, linseed oil meal, cottonseed meal, ground barley, corn distillers' dried grains, soybean oil meal, ground oats, wheat bran, brewers' dried grains, malt sprouts, corn gluten meal, corn meal, cane molasses, calcium carbonate, salt.
	F.	22.77	4.06	7.81	8.43	7.53	49.40	
Park & Pollard All Mash Growing Feed	G.	14.50	3.50	7.00	.....	.....	.....	Yellow corn meal, dried buttermilk, ground oats, alfalfa leaf meal, ground barley, corn gluten meal, meat scraps, wheat bran (may contain mill run wheat screenings), wheat middlings, fish meal, soybean oil meal, calcium carbonate, salt, manganese sulphate, vitamin tested cod liver oil.
	F.	17.64	3.37	5.56	9.28	8.31	55.84	
Park & Pollard Breeder Mash	G.	20.00	4.00	7.00	.....	.....	.....	Yellow corn meal, pulverized oats, alfalfa leaf meal, wheat bran, wheat middlings, meat scraps, fish meal, old process linseed oil meal, corn gluten meal, soybean oil meal, dried buttermilk, dried whey, manganese sulphate, salt, calcium carbonate, vitamin tested cod liver oil.
	F.	21.71	2.92	5.67	9.59	9.29	50.82	
Park & Pollard Broiler Finishing Mash	G.	15.00	4.00	6.00	.....	.....	.....	Yellow corn meal, corn gluten meal, wheat bran, wheat flour middlings, pulverized oats, dehydrated alfalfa leaf meal, meat scraps, dried buttermilk, calcium carbonate, salt, magnanese sulphate, vitamin tested cod liver oil.
	F.	16.68	3.52	5.35	9.28	6.96	58.21	
Park & Pollard Chick Starter	G.	17.00	3.50	6.00	.....	.....	.....	Dried whey, ground yellow corn, ground barley, corn distillers' grains with solubles, pulverized oats, fish meal, meat scraps, wheat bran, wheat middlings, corn gluten meal, soybean oil meal, alfalfa leaf meal, calcium carbonate, manganese sulphate, salt, D-activated animal sterol (vitamin D), vitamin A and D feeding oil.
	F.	20.92	3.79	5.77	9.93	8.30	51.29	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Park & Pollard Fitting Ration ..	G.	12.00	3.00	8.00	.....	.....	.....	Corn meal, hominy, ground barley, wheat bran, crushed oats, soybean meal, molasses, calcium carbonate, salt.
	F.	12.78	2.83	5.78	11.62	6.95	60.04	
Park & Pollard Growing Feed	G.	16.00	3.00	7.00	.....	.....	.....	Dried buttermilk, alfalfa leaf meal, fish meal, linseed oil meal, ground yellow corn, ground barley, meat scraps, wheat bran (may contain mill run wheat screenings), wheat middlings, ground oats, corn gluten meal, calcium carbonate, salt, manganese sulphate, vitamin tested cod liver oil.
	F.	16.64	3.25	6.82	9.60	8.53	55.16	
Park & Pollard Manamar Fitting Ration	G.	12.00	3.00	7.00	.....	.....	.....	Kelp, Pacific coast fish meal and marine sea shells, linseed oil meal, ground oats, corn meal, ground barley, wheat bran, molasses, calcium carbonate, cracked corn, crushed oats, salt.
	F.	12.56	3.65	6.63	10.65	7.42	59.09	
Park & Pollard 32% Mixing Ration	G.	32.00	4.00	9.00	.....	.....	.....	Linseed oil meal, cottonseed meal, wheat bran, corn gluten feed, soybean oil meal, corn gluten meal, malt sprouts, molasses, calcium carbonate, salt.
	F.	34.80	4.34	5.91	9.64	5.75	39.56	
Park & Pollard Starter and Broiler Mash	G.	18.00	4.00	6.00	.....	.....	.....	Ground yellow corn, wheat bran, wheat flour middlings, pulverized oats, ground barley, fish meal, meat scraps, corn gluten meal, soybean oil meal, alfalfa leaf meal, calcium carbonate, manganese sulphate, salt, dried skimmed milk, vitamin tested cod liver oil, corn distillers' grains with solubles.
	F.	23.29	4.19	6.00	9.53	8.45	48.54	
Park & Pollard Turkey Grower	G.	20.00	4.00	7.00	.....	.....	.....	Yellow corn meal, ground barley, dehydrated alfalfa leaf meal, ground oats, meat scraps, wheat bran, wheat middlings, corn gluten meal, soybean oil meal, dried buttermilk, dried skimmed milk, calcium carbonate, salt, manganese sulphate, vitamin tested cod liver oil.
	F.	22.20	**3.11**	5.72	9.52	9.43	50.02	
Parrish & Heimbecker, Toronto, Canada								
Parrheim Pure Wheat Bran	G.	15.00	3.50	11.50	.....	.....	.....	
	F.	16.24	4.81	10.54	12.43	5.22	50.76	
Parrheim Pure Wheat Shorts	G.	16.00	5.00	8.00	.....	.....	.....	
	F.	18.56	5.72	7.14	12.52	4.34	51.72	
Pillsbury Flour Mills Co., Minneapolis, Minn.								
Hard Wheat Bran	G.	14.00	4.00	12.00	.....	.....	.....	Ground wheat screenings not exceeding mill run.
	F.	17.16	5.08	10.29	10.66	6.21	50.60	
Pillsbury's Fancy Wheat Mixed Feed	G.	15.00	4.00	8.50	.....	.....	.....	Wheat red dog, hard wheat bran with ground cleaned wheat screenings not exceeding mill run.
	F.	19.00	4.99	6.23	10.39	4.31	55.08	

R. C. Pratt, Toronto, Canada								
Ruler Brand Pure Wheat Bran ..	G.	15.00	3.50	11.50	.....	.....	.....	
	F.	17.07	5.15	8.56	11.05	4.73	53.44	
Quaker Oats Co., Chicago, Ill.								
Peterborough Oat Feed	G.	3.50	1.00	32.50	.....	.....	.....	Oat mill feed (oat hulls, oat shorts, oat middlings).
	F.	4.95	1.72	29.69	6.41	5.66	51.57	
Quaker Sugared Schumacher Feed	G.	12.00	3.00	12.00	.....	.....	.....	Ground corn, hominy feed, yellow hominy feed, barley feed, linseed meal, corn gluten meal, soybean oil meal, low grade wheat flour, wheat standard middlings, oat mill feed (oat hulls, oat shorts, oat middlings), 1% salt, 1% bone meal, cane molasses.
	F.	12.90	3.58	8.08	8.78	5.94	60.72	
Raffety & O'Rourke, Wyatt, Mo.								
R. & O.'s 20% Dehydrated Alfalfa Leaf Meal	G.	20.00	2.50	18.00	.....	.....	.....	Made principally from alfalfa leaves.
	F.	20.84	2.97	18.83	5.71	10.78	40.87	
Ralston Purina Co., St. Louis, Mo.								
Brooks Fancy Wheat Mixed Feed	G.	15.00	3.50	8.50	.....	.....	.....	Wheat bran, wheat middlings, red dog flour.
	F.	16.46	4.95	7.28	10.63	4.61	56.07	
Corn and Oat Provender	G.	10.00	3.50	10.00	.....	.....	.....	Ground corn and oats.
	F.	10.90	3.93	4.80	10.95	1.95	67.47	
Creamery Ration 20%	G.	20.00	4.00	10.00	.....	.....	.....	Wheat bran, wheat middlings, hominy or corn feed meal, gluten feed, cottonseed meal, brewers' grains, ground oats, linseed meal, soybean oil meal, molasses, 2% calcium carbonate (limestone), 1% salt.
	F.	22.42	4.64	8.29	8.91	6.88	48.86	
Protena 20% Dairy Feed	G.	20.00	3.50	12.00	.....	.....	.....	Soybean oil meal, cottonseed meal, corn gluten feed, wheat middlings (standard), alfalfa meal, wheat bran, ground grain screenings (from wheat, corn, oats, barley, kafir), molasses, 2% calcium carbonate (limestone), 1% iodized salt.
	F.	22.50	4.27	8.92	8.83	8.71	46.77	
Protena Laying Mash	G.	18.00	3.50	8.50	.....	.....	.....	Meat scraps, soybean oil meal, linseed meal, corn meal, dried buttermilk, cod liver oil, alfalfa meal, wheat middlings (standard), wheat bran, 4% calcium carbonate (limestone), 1% salt.
	F.	20.00	5.36	7.89	8.89	9.62	48.24	
Purina Breeder Lay Chow	G.	22.00	3.50	8.00	.....	.....	.....	Riboflavin concentrate, carotene, cod liver oil, sardine oil, meat scraps, soybean oil meal, fish meal, alfalfa meal, dried buttermilk, corn germ meal, wheat middlings (standard), wheat bran, corn meal, ground oats, 1% iodized salt, 3% calcium carbonate (limestone).
	F.	25.00	5.30	6.85	8.41	10.12	44.32	
Purina Broiler Chow	G.	18.00	3.50	7.00	.....	.....	.....	Riboflavin concentrate, carotene, cod liver oil, sardine oil, meat scraps, fish meal, soybean oil meal, corn gluten meal, dried buttermilk, alfalfa leaf meal, corn meal, ground oats, wheat middlings (grey), wheat bran, alfalfa meal, 1½% calcium carbonate (limestone), ½% iodized salt.
	F.	21.23	4.52	4.85	9.47	5.60	54.33	
Purina Bulky Las Chow	G.	9.00	1.30	15.00	.....	.....	.....	Dried beet pulp, wheat bran, molasses, wheat middlings (standard), alfalfa meal, 2% calcium carbonate (limestone), 2% iodized salt.
	F.	11.73	2.35	12.52	10.51	10.78	52.11	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Purina Calf Startena	G.	19.50	2.50	9.50	.....	.....	.....	Riboflavin concentrate, carotene, linseed meal, soybean oil meal, blood flour, dried skimmed milk, wheat flour (second clear), bolted corn meal, dried beet pulp, crushed oats, alfalfa meal, wheat middlings (standard), wheat bran, molasses, 1.25% calcium carbonate (limestone), 0.75% iodized salt.
	F.	21.54	3.39	8.23	9.42	6.44	50.98	
Purina Chick Growena	G.	17.00	3.50	7.00	.....	.....	.....	Riboflavin concentrate, carotene, cod liver oil, sardine oil, meat scraps, fish meal, soybean oil meal, wheat germ, dried buttermilk, alfalfa meal, corn meal, dried beet pulp, wheat middlings (grey), wheat bran, 1½% calcium carbonate (limestone), ½% iodized salt.
	F.	20.57	4.64	6.31	10.21	5.83	52.44	
Purina Chick Startena	G.	18.00	4.00	7.00	.....	.....	.....	Riboflavin concentrate, carotene, cod liver oil, sardine oil, meat scraps, fish meal, soybean oil meal, alfalfa leaf meal, wheat germ, dried buttermilk, linseed meal, corn germ meal, oat middlings, corn meal, wheat bran, wheat middlings (grey), 1½% calcuim carbonate (limestone), ½% iodized salt.
	F.	22.37	5.10	4.72	9.39	6.06	52.36	
Purina Complete Sow and Pig Chow Ration	G.	15.00	3.00	6.00	.....	.....	.....	Ground oats, tankage (60% protein), fish meal, alfalfa leaf meal, soybean oil meal, linseed meal, alfalfa meal, corn meal, molasses, wheat middlings (grey), riboflavin supplement, dried milk by-product, 0.5% iodized salt.
	F.	15.32	3.95	4.97	9.92	5.12	60.72	
Purina 14% Cow Chow	G.	14.00	3.50	10.00	.....	.....	.....	Crushed oats, distillers' dried grains, linseed meal, corn meal, ground barley, soybean oil meal, wheat middlings (standard), wheat bran, molasses, 2% calcium carbonate (limestone), 1% iodized salt.
	F.	15.81	4.57	7.51	9.49	6.77	55.85	
Purina 20% Cow Chow	G.	20.00	4.00	10.00	.....	.....	.....	Soybean oil meal, corn gluten feed, linseed meal, crushed oats, cottonseed meal, distillers' corn dried grains, wheat middlings (standard), wheat bran, corn meal, alfalfa meal, molasses, minerals: 1% steamed bone meal (tricalcium phosphate), 1% salt (sodium chloride), 1% limestone (calcium carbonate), 0.10 gram potassium iodide per 100 pounds of feed.
	F.	21.60	4.85	6.79	9.15	6.90	50.71	
Purina Dry and Freshening Chow	G.	12.50	2.00	14.00	.....	.....	.....	Riboflavin concentrate, carotene, soybean oil meal, crushed oats, dried beet pulp, corn meal, alfalfa meal, wheat bran, molasses, 2% calcium carbonate (limestone), 2% iodized salt.
	F.	14.36	2.83	12.19	9.83	9.63	51.16	
Purina Egg Chow	G.	15.50	3.50	8.00	.....	.....	.....	Carotene, meat scraps, ground oats, fish meal, soybean oil meal, alfalfa meal, dried buttermilk, wheat bran, wheat middlings (standard), dried beet pulp, corn meal, ground barley, corn gluten feed, cod liver oil, sardine oil, ½% iodized salt, 4.5% calcium carbonate (limestone).
	F.	17.87	4.63	6.50	9.56	9.00	52.44	
Purina Family Flock Chow	G.	20.00	3.50	8.00	.....	.....	.....	Carotene, meat scraps, soybean oil meal, alfalfa meal, wheat middlings (standard), wheat bran, corn meal, ground barley, corn gluten feed, dried buttermilk, cod liver oil, sardine oil, 4% calcium carbonate (limestone), 1% iodized salt.
	F.	20.92	4.19	7.41	8.67	10.13	48.68	
Purina Lay Chow	G.	22.00	3.50	8.00	.....	.....	.....	Carotene, cod liver oil, sardine oil, meat scraps, soybean oil meal, fish meal, alfalfa meal, dried buttermilk, corn gluten feed, wheat middlings (standard), wheat bran, corn meal, ground oats, 1% iodized salt, 3% calcium carbonate (limestone).
	F.	22.55	4.61	8.24	9.22	8.73	46.65	

Purina Layena Complete Ration	G.	15.50	3.50	8.00	.....	.....	.....	Riboflavin concentrate, carotene, cod liver oil, sardine oil, meat scraps, ground oats, fish meal, soybean oil meal, alfalfa meal, dried buttermilk, wheat middlings (standard), dried beet pulp, corn meal, ½% iodized salt, 4% calcium carbonate (limestone).
	F.	18.39	4.57	5.61	9.18	7.76	54.49	
Purine Light Horse Omolene	G.	11.00	3.50	12.00	.....	.....	.....	Crushed oats, linseed meal, wheat bran, irradiated yeast, carotene, cane molasses, ½% calcium carbonate (limestone), ½% iodized salt.
	F.	11.77	4.39	10.03	10.07	4.60	59.14	
Purina Milk Chow 20%	G.	20.00	3.50	11.00	.....	.....	.....	Soybean oil meal, corn gluten feed, crushed oats, cottonseed meal, distillers' corn dried grains, wheat middlings (standard), wheat bran, corn meal, alfalfa meal, molasses, 2% calcium carbonate (limestone), 1% iodized salt.
	F.	22.72	4.28	8.36	9.39	7.31	47.94	
Purina Milk Chow 24%	G.	24.00	3.50	11.00	.....	.....	.....	Soybean oil meal, corn gluten feed, cottonseed meal, distillers' corn dried grains, wheat middlings (standard), wheat bran, corn meal, alfalfa meal, molasses, 2% calcium carbonate (limestone), 1% iodized salt.
	F.	27.14	4.29	7.93	9.51	6.82	44.31	
Purina Special 24% Cow Chow ..	G.	24.00	3.00	9.00	.....	.....	.....	Soybean oil meal, corn gluten feed, linseed meal, cottonseed meal, distillers' corn dried grains, wheat middlings (standard), wheat bran, corn meal, alfalfa meal, molasses, minerals: 1% salt (sodium chloride), 3% limestone (calcium carbonate), 0.10 gram potassium iodide per 100 pounds of feed.
	F.	25.13	3.77	7.29	9.66	10.00	44.15	
Purina Turkey Growena	G.	18.00	3.50	7.00	.....	.....	.....	Riboflavin concentrate, carotene, meat scraps, fish meal, soybean oil meal, alfalfa meal, dried buttermilk, ground oats, corn meal, wheat middlings (grey), wheat bran, corn gluten meal, 2% calcium carbonate (limestone), ½% iodized salt.
	F.	18.17	4.61	5.17	9.56	6.27	56.22	
Purina Turkey Growing Chow	G.	21.00	3.50	8.00	.....	.....	.....	Riboflavin concentrate, carotene, meat scraps, fish meal, soybean oil meal, alfalfa meal, dried buttermilk, ground oats, corn meal, wheat middlings (standard), wheat bran, 3% calcium carbonate (limestone), 1% iodized salt.
	F.	23.86	4.90	5.63	8.43	8.49	48.69	
Purina Turkey Layena	G.	16.50	3.50	8.00	.....	.....	.....	Riboflavin concentrate, carotene, cod liver oil, sardine oil, meat scraps, ground oats, fish meal, soybean oil meal, alfalfa meal, dried buttermilk, wheat middlings (standard), dried beet pulp, corn meal, ½% iodized salt, 4% calcium carbonate (limestone).
	F.	17.95	4.57	5.71	9.24	8.34	54.19	
Purina Work Horse Omolene	G.	10.00	3.00	12.00	.....	.....	.....	Crushed oats, cracked corn, linseed meal, cane molasses, wheat bran, alfalfa meal, ½% calcium carbonate (limestone), ½% iodized salt.
	F.	11.64	4.31	9.07	10.14	4.16	60.68	
John Reardon & Sons, Cambridge, Mass.								
Register Brand 45% Meat and Bone Scrap	G.	45.00	8.00	.....	.....	.....	.....	
	F.	**44.34**	10.41	.....	5.96	37.96	.....	
Register Brand 50% Protein Meat and Bone Scrap	G.	50.00	8.00	.....	.....	.....	.....	
	F.	**48.88**	10.40	.....	5.05	33.68	.....	
Register Brand White Fish Meal	G.	62.00	3.00	.....	.....	.....	.....	
	F.	**60.68**	6.10	.....	9.30	23.04	.....	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	Certified by manufacturer to contain
Russell-Miller Milling Co., Minneapolis, Minn.								
Occident Hard Wheat Bran	G.	14.00	4.00	11.50	.....	.....	.....	
	F.	17.20	5.03	8.68	11.47	5.68	51.94	
Occident Hard Wheat Flour Middlings	G.	15.50	4.00	5.00	.....	.....	.....	
	F.	18.82	4.00	3.13	11.72	2.71	59.62	
Occident Hard Wheat Standard Middlings	G.	15.00	4.00	9.50	.....	.....	.....	
	F.	18.39	5.35	7.79	10.34	4.92	53.21	
Saunders Mills, Toledo, Ohio								
Dehydrated Alfalfa Leaf Meal	G.	20.00	1.50	18.00	.....	.....	.....	Made from dehydrated alfalfa hay with part of the fiber removed to concentrate the leaves.
	F.	**17.40**	3.10	**24.00**	4.83	10.28	40.39	
Joseph Schlitz Brewing Co., Milwaukee, Wis.								
Schlitz Purity Brewers' Dried Grains	G.	24.00	5.00	20.00	.....	.....	.....	
	F.	25.61	6.22	15.72	9.79	3.63	39.03	
W. J. Small Co., Neodesha, Kan.								
Alfalfa Meal	G.	13.00	1.50	33.00	.....	.....	.....	Ground alfalfa.
	F.	17.20	1.84	23.32	8.81	10.64	38.19	
South End Hay and Grain Co., Manchester, N. H.								
Feedboard Egg Mash	G.	19.00	4.00	7.00	.....	.....	.....	Yellow corn meal, wheat bran, wheat flour middlings, pulverized oats, alfalfa leaf meal, corn gluten meal, soybean meal, meat and bone scrap, fish meal, dried skimmed milk, calcium carbonate, salt, fortified cod liver oil, manganese sulphate.
	F.	**17.49**	4.40	6.43	10.75	7.63	53.30	
Feedboard Starter and Broiler Ration	G.	20.00	3.50	7.00	.....	.....	.....	Dried skimmed milk, yellow corn meal, wheat flour middlings, meat and bone scrap, wheat bran, alfalfa leaf meal, corn gluten meal, fine pulverized oats, fish meal, soybean meal, calcium carbonate, cane molasses, salt, dicalcium phosphate, fortified cod liver oil, manganese sulphate.
	F.	**18.98**	4.22	6.71	10.73	7.73	51.63	
F. B. Spaulding Co., Lancaster, N. H.								
Spaulding's Dairy Feed	G.	20.00	4.00	9.50	.....	.....	.....	Linseed and/or soybean oil meal, 41% cottonseed meal, gluten feed, corn meal and/or hominy feed, wheat bran, dried brewers' grains, salt, calcium carbonate, molasses, wheat bran may contain mill run screenings.
	F.	22.46	5.11	7.95	8.03	6.28	50.17	

Spencer Kellogg & Sons, Buffalo, N. Y.								
Kellogg's Old Process Linseed Oil Meal	G.	32.00	3.50	9.00	.....	.....	.....	Ground flaxseed oil cake.
	F.	34.50	4.90	8.27	8.97	5.56	37.80	
Kellogg's 41% Protein Soybean Oil Meal	G.	41.00	4.00	7.00	.....	.....	.....	Ground soybean oil cake.
	F.	44.30	4.59	5.38	11.06	5.78	28.89	
A. E. Staley Mfg. Co., Decatur, Ill.								
Staley's Corn Gluten Feed	G.	25.00	1.50	8.00	.....	.....	.....	
	F.	27.80	3.26	6.73	8.62	8.53	45.06	
Staley's 41% Protein Soybean Oil Meal	G.	41.00	3.50	7.00	.....	.....	.....	
	F.	43.86	3.62	5.76	10.13	6.14	30.49	
Standard Milling Co., Chicago, Ill.								
XXX Comet Wheat Red Dog	G.	16.00	4.00	4.00	.....	.....	.....	Wheat red dog.
	F.	19.57	5.24	4.31	10.60	3.60	56.68	
Planet Feed	G.	15.00	4.00	8.00	.....	.....	.....	Wheat bran, wheat red dog.
	F.	18.34	5.15	7.35	10.48	4.83	53.85	
Red Turkey Wheat Gray Shorts	G.	16.00	3.75	6.00	.....	.....	.....	Mill run wheat brown shorts, wheat white middlings, ground wheat screenings not exceeding 8%.
	F.	17.95	4.14	5.52	11.26	4.11	57.02	
Stratton & Co., Concord, N. H.								
Fancy Fine White Middlings	G.	14.00	4.26	6.50	.....	.....	.....	
	F.	16.81	4.39	3.22	11.18	3.18	61.22	
Stratton & Co. Fancy Wheat Bran	G.	14.00	4.00	11.00	.....	.....	.....	
	F.	16.33	4.49	8.57	10.27	5.87	54.47	
Stratton & Co. Standard Wheat Middlings	G.	14.00	4.00	9.00	.....	.....	.....	Screenings not exceeding mill run.
	F.	16.37	4.87	5.31	11.47	4.33	57.65	
Stratton & Co. Wheat Mixed Feed	G.	13.50	4.11	7.13	.....	.....	.....	Screenings not exceeding mill run.
	F.	16.55	4.77	7.56	11.12	5.29	54.71	
Stratton's White Clover 20% Dairy	G.	20.00	3.50	11.00	.....	.....	.....	Linseed oil meal, corn gluten feed, brewers' dried grains, ground oats, corn gluten meal, soybean oil meal, corn distillers' grains, ground barley, wheat bran, malt sprouts, cottonseed meal, ground grain screenings from wheat, oats, barley, buckwheat and milo, molasses, calcium carbonate, salt.
	F.	21.89	4.31	8.44	8.14	8.21	49.01	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
W. E. Treleaven, Lucknow, Ontario								
Bran	G.	15.00	3.50	11.50	.....	.....	.....	
	F.	17.29	4.44	9.54	9.37	5.18	54.18	
Jacob Trinley & Sons, Linfield, Pa.								
Favorite Complete Laying Mash	G.	18.00	4.00	8.00	.....	.....	.....	Corn meal, meat scraps, dried milk, soybean oil meal, wheat bran and middlings, ground oats, gluten, molasses, iodized salt, calcium carbonate, bone meal, alfalfa meal, concentrated cod liver oil, bone charcoal, soluble sulphur, flowers of sulphur, potassium iodide, iron sulphate, copper sulphate, charcoal, oyster shell meal, manganese, cobalt.
	F.	20.40	4.73	6.27	8.66	12.30	47.64	
Favorite Growing Mash	G.	16.00	4.00	8.00	.....	.....	.....	Corn meal, soybean oil meal, wheat bran, wheat middlings, dried milk, meat scraps, alfalfa meal, cane molasses, bone meal, iodized salt, cod liver oil, pulverized oats, charcoal, bone charcoal, soluble sulphur, flowers of sulphur, potassium iodide, iron sulphate, copper sulphate, manganese, cobalt.
	F.	18.04	4.99	7.37	9.13	10.45	50.02	
Real 20% Dairy Feed	G.	20.00	4.00	11.00	.....	.....	.....	Beet pulp, soybean oil meal, linseed meal, cottonseed meal, corn gluten feed, ground oats, corn meal, corn distillers' dried grains, wheat bran, bone meal, molasses, iodized salt, calcium carbonate.
	F.	22.24	4.85	8.50	8.56	6.42	49.43	
Real Hog Feed	G.	18.00	4.00	10.00	.....	.....	.....	Corn meal, ground oats, middlings, gluten feed, linseed oil meal, bone meal, soybean oil meal, tankage, molasses, salt, bone charcoal, soluble sulphur, flowers of sulphur, potassium iodide, iron sulphate, copper sulphate, manganese, alfalfa meal.
	F.	19.18	4.65	10.37	8.63	11.90	45.27	
Real Starter and Broiler Mash	G.	16.00	4.00	6.00	.....	.....	.....	Corn meal, alfalfa leaf meal, bone meal, dried buttermilk, fish meal, meat meal, wheat bran, oat meal, middlings, molasses, cod liver oil, salt, soybean oil meal, manganese sulphate.
	F.	19.09	5.20	4.87	9.22	9.50	52.12	
Supreme 85 Horse Feed	G.	9.00	2.50	11.00	.....	.....	.....	Cracked corn, crushed oats, alfalfa meal, molasses, ½% iodized salt.
	F.	9.89	3.07	6.69	11.89	3.52	64.94	
Trinley's 16 Dairy Feed	G.	16.00	3.50	11.00	.....	.....	.....	Linseed oil meal, cottonseed meal, wheat bran, malt sprouts, soybean oil meal, ground grain screenings, alfalfa meal, corn meal, cane molasses, corn distillers' dried grains, bone meal, ground oats, iodized salt, calcium carbonate.
	F.	17.34	4.10	10.71	9.54	8.25	50.06	
Union Starch & Refining Co., Columbus, Ind.								
Union Corn Gluten Feed	G.	25.00	2.00	8.50	.....	.....	.....	
	F.	26.40	2.92	6.45	9.60	7.82	46.81	
United Distillers' of America, Baltimore, Md.								
Corn Distillers' Dried Grains	G.	28.00	6.00	13.00	.....	.....	.....	
	F.	27.87	11.34	11.76	8.99	1.45	38.59	

Universal Grain Corp., New York, N. Y.								
Wheat Standard Middlings	G.	14.00	4.00	9.50	.....	.....	.....	Ground screenings not exceeding mill run.
	F.	15.50	4.18	8.04	10.05	5.06	57.17	
Valier & Spies Milling Co., St. Louis, Mo.								
Valier's Pure Wheat Bran	G.	14.50	3.50	10.50	.....	.....	.....	
	F.	15.94	4.28	9.02	10.86	6.16	53.74	
Wayne County Grangers Feed Corp., Clyde, N. Y.								
Milk Producer 20% Dairy Feed	G.	20.00	4.00	10.00	.....	.....	.....	260 lbs. corn gluten feed, 380 lbs. corn distillers' grains, 100 lbs. old process linseed oil meal, 50 lbs. brewers' grains, 200 lbs. corn meal or hominy feed, 150 lbs. ground oats, 100 lbs. cottonseed meal, 240 lbs. wheat bran (may contain screenings), 100 lbs. choice malt sprouts, 200 lbs. soybean oil meal, 20 lbs. ground limestone, 160 lbs. cane molasses, 20 lbs. iodized salt, 20 lbs. steamed bone meal.
	F.	22.24	4.28	9.91	8.94	7.38	47.25	
Superior 16% Dairy Feed	G.	16.00	4.00	10.00	.....	.....	.....	300 lbs. corn distillers' grains, 75 lbs. soybean oil meal, 75 lbs. old process linseed oil meal, 170 lbs. corn gluten feed, 60 lbs. prime cottonseed meal, 475 lbs. ground barley, 400 lbs. wheat bran (may contain screenings), 100 lbs. ground oats, 40 lbs. malt sprouts, 100 lbs. corn meal or hominy feed, 140 lbs. cane molasses, 65 lbs. minerals (iodized salt, bone charcoal, iron sulphate, calcium carbonate).
	F.	20.27	3.74	9.22	8.88	7.12	50.77	
Superior 20% Dairy Feed	G.	20.00	4.00	10.00	.....	.....	.....	100 lbs. choice cottonseed meal, 200 lbs. old process linseed oil meal, 200 lbs. corn gluten feed, 200 lbs. wheat bran (may contain screenings), 260 lbs. whole ground wheat, 100 lbs. ground oats, 200 lbs. corn meal, 265 lbs. corn distillers' grains, 40 lbs. brewers' grains, 50 lbs. choice malt sprouts, 150 lbs. cane molasses, 170 lbs. old process soybean oil meal, 65 lbs. minerals (iodized salt, bone charcoal, iron sulphate, calcium carbonate).
	F.	22.86	3.51	9.94	10.10	7.62	45.97	
Superior 20% Dairy Feed Containing Beet Pulp	G.	20.00	4.00	8.50	.....	.....	.....	200 lbs. soybean meal, 220 lbs. corn distillers' grains, 300 lbs. corn gluten feed, 100 lbs. choice cottonseed meal, 100 lbs. old process linseed oil meal, 300 lbs. wheat bran (may contain screenings), 200 lbs. beet pulp, 115 lbs. ground oats, 100 lbs. brewers' dried grains, 200 lbs. hominy feed or corn meal, 65 lbs. minerals (iodized salt, bone charcoal, iron sulphate, calcium carbonate), 100 lbs. molasses.
	F.	21.63	4.20	7.24	9.17	6.56	51.20	
Superior 24% Dairy Feed	G.	24.00	4.00	10.00	.....	.....	.....	420 lbs. corn distillers' grains, 240 lbs. soybean oil meal, 145 lbs. choice cottonseed meal, 140 lbs. old process linseed oil meal, 200 lbs. corn gluten feed, 50 lbs. corn gluten meal, 160 lbs. corn meal or hominy feed, 200 lbs. wheat bran (may contain screenings), 100 lbs. whole ground wheat, 40 lbs. malt sprouts, 100 lbs. ground oats, 140 lbs. cane molasses, 65 lbs. minerals (iodized salt, bone charcoal, iron sulphate, calcium carbonate).
	F.	24.43	4.64	10.18	8.48	6.86	45.41	
Superior Fitting Ration	G.	14.00	4.00	9.00	.....	.....	.....	Old process linseed oil meal, corn hominy feed, wheat bran (may contain screenings), ground oats, ground whole wheat, vitamin A feeding oil, irradiated yeast (vitamin D concentrate), molasses, salt, bone meal, calcium carbonate.
	F.	13.40	4.41	9.87	10.62	5.29	56.41	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Superior Growing Mash	G.	17.50	4.00	7.00	.....	.....	.....	575 lbs. corn meal and hominy feed, 125 lbs. soybean oil meal, 200 lbs. oat meal, 80 lbs. ground barley, 150 lbs. wheat bran (may contain screenings), 100 lbs. heavy ground oats, 220 lbs. wheat flour middlings, 60 lbs. dried milk, 60 lbs. dried whey, 100 lbs. alfalfa leaf meal, 180 lbs. 55% meat scraps, 100 lbs. fish meal, 10 lbs. fortified cod liver oil, 40 lbs. minerals (iodized salt, bone charcoal, iron sulphate, manganese sulphate, calcium carbonate).
	F.	19.61	4.53	5.62	9.51	8.32	52.41	
Superior Horse Feed	G.	10.00	3.00	9.00	.....	.....	.....	Corn, oats, barley, wheat bran, alfalfa meal, old process oil meal, cane molasses.
	F.	10.85	3.47	5.88	10.56	2.48	66.76	
Superior Laying Mash	G.	18.00	4.00	7.00	.....	.....	.....	260 lbs. 55% meat scraps, 100 lbs. fish meal, 70 lbs. dried skimmed milk, 70 lbs. dried whey, 10 lbs. fortified cod liver oil, 560 lbs. corn meal, 100 lbs. ground wheat, 100 lbs. heavy ground oats, 60 lbs. ground barley, 200 lbs. red dog wheat flour, 140 lbs. wheat bran (may contain screenings), 50 lbs. gluten meal, 120 lbs. soybean oil meal, 100 lbs. alfalfa meal, 60 lbs. minerals (iodized salt, bone charcoal, iron sulphate, manganese sulphate, calcium carbonate).
	F.	23.60	4.32	7.71	8.93	6.29	49.15	
H. K. Webster Co., Lawrence Mass.								
Blue Seal All Mash Growing Ration	G.	14.50	4.00	5.50	.....	.....	.....	Coarse ground no. 2 yellow corn, fine ground heavy oats, pure wheat bran, wheat flour middlings, high grade meat scraps, high grade fish meal, dried sweet cream buttermilk with riboflavin supplement, dehydrated alfalfa leaf meal, corn gluten meal, calcium carbonate, salt, fortified A and D feeding oil with D-activated animal sterol.
	F.	17.25	4.07	4.84	10.34	6.96	56.54	
Blue Seal Breeders' All Mash Ration	G.	15.00	4.00	5.00	.....	.....	.....	Dehydrated alfalfa leaf meal, dried sweet cream buttermilk with riboflavin supplement, fortified A and D feeding oil with D-activated animal sterol, Porto Rico cane molasses, high grade meat and liver meals, high grade fish meal, corn gluten meal, no. 2 yellow corn meal, fine ground heavy oats, pure wheat bran, wheat flour middlings, salt, calcium carbonate.
	F.	17.73	3.76	4.49	10.22	7.31	56.49	
Blue Seal Breeders' Mash	G.	20.00	4.00	6.00	.....	.....	.....	Dehydrated alfalfa leaf meal, dried sweet cream buttermilk with riboflavin supplement, fortified A and D feeding oil, wheat germ oil, high grade meat and liver meals, high grade fish meal, corn gluten meal, Porto Rico cane molasses, no. 2 yellow corn meal, pure wheat bran, wheat flour middlings, fine ground heavy oats, ground rolled oats, ground barley, salt, calcium carbonate.
	F.	20.84	4.01	5.00	9.44	11.01	49.70	
Blue Seal Breeders' Laying Mash	G.	20.00	4.00	6.00	.....	.....	.....	No. 2 yellow corn meal, pure wheat bran, fine ground heavy oats, high grade meat scraps, high grade fish meal, corn gluten meal, wheat flour middlings, ground barley, dehydrated alfalfa leaf meal, dried sweet cream buttermilk with riboflavin supplement, salt, calcium carbonate, fortified A and D feeding oil with D-activated animal sterol.
	F.	20.62	4.14	5.66	9.46	9.74	50.38	
Blue Seal Broiler Ration	G.	20.00	4.00	6.00	.....	.....	.....	Dried sweet cream buttermilk with riboflavin supplement, high grade meat scraps, high grade fish meal, alfalfa leaf meal, corn gluten meal, soybean oil meal, no. 2 yellow corn meal, pure wheat bran, wheat flour middlings, fine ground heavy oats, Porto Rico cane molasses, calcium carbonate, salt, fortified A and D feeding oil.
	F.	25.97	4.92	5.33	8.86	11.48	43.44	

Blue Seal Chick Starter	G.	19.00	4.00	6.00	.....	.....	.....	Coarse ground no. 2 yellow corn, fine ground heavy oats, soybean oil meal, corn gluten meal, pure wheat bran, wheat flour middlings, 60% meat scraps and liver meal, 65% dehydrated white fish meal, dried sweet cream buttermilk with riboflavin supplement, dehydrated alfalfa leaf meal, calcium carbonate, salt, manganese sulphate, fortified A and D feeding oil with D-activated animal sterol.
	F.	19.61	4.16	5.74	9.85	7.57	53.07	
Blue Seal 20 Dairy Ration	G.	20.00	4.00	9.00	.....	.....	.....	Linseed oil meal (crushed cake), soybean oil meal, ground oats, fancy crimped oats, corn oil meal, corn gluten feed, choice cottonseed meal, hominy feed, dehydrated alfalfa leaf meal, wheat bran and middlings, corn distillers' grains, Porto Rico cane molasses, B.S. mineral mixture (edible bone meal, calcium carbonate, dicalcium phosphate, potassium iodide, salt).
	F.	23.47	4.98	8.17	8.87	7.27	47.24	
Blue Seal Egg Mash	G.	20.00	4.00	6.00	.....	.....	.....	No. 2 yellow corn meal, fine ground heavy oats, pure wheat bran, wheat flour middlings, high grade meat scraps, high grade fish meal, dried sweet cream buttermilk with riboflavin supplement, alfalfa leaf meal, Porto Rico cane molasses, corn gluten meal, calcium carbonate, salt, fortified A and D feeding oil.
	F.	20.40	4.09	5.38	9.01	11.23	49.89	
Blue Seal Fitting Ration with Vitamin D Yeast	G.	14.00	4.00	8.00	.....	.....	.....	Steamed rolled whole barley, fancy crimped oats, ground oats, linseed oil meal (crushed cake), soybean oil meal, no. 2 yellow corn meal, corn oil meal, dehydrated alfalfa leaf meal, wheat bran and middlings, hominy feed, Porto Rico cane molasses, B.S. mineral mixture (edible bone meal, calcium carbonate, dicalcium phosphate, potassium iodide, salt), irradiated yeast.
	F.	16.99	4.27	7.67	9.36	7.71	54.00	
Blue Seal Growing Mash	G.	18.00	4.00	6.50	.....	.....	.....	Dried sweet cream buttermilk with riboflavin supplement, high grade meat scraps, high grade fish meal, dehydrated alfalfa leaf meal, corn gluten meal, soybean oil meal, no. 2 yellow corn meal, pure wheat bran, wheat flour middlings, fine ground heavy oats, ground barley, calcium carbonate, salt, fortified A and D feeding oil with D-activated animal sterol.
	F.	18.47	4.75	5.70	9.53	8.23	53.32	
Blue Seal Hom-Mix 24% Dairy Ration	G.	24.00	4.00	10.00	.....	.....	.....	Choice cottonseed meal, soybean oil meal, corn oil meal, malt sprouts, corn gluten meal, oat feed, wheat bran and middlings, hominy feed, linseed oil meal (crushed cake), corn distillers' grains, Porto Rico cane molasses, B.S. mineral mixture (edible bone meal, calcium carbonate, dicalcium phosphate, potassium iodide, salt).
	F.	25.74	4.01	11.23	8.68	7.40	42.94	
Blue Seal Horse Feed	G.	10.00	3.00	6.50	.....	.....	.....	Fancy crimped oats, steamed rolled barley, no. 2 yellow cracked corn, hominy feed, dehydrated alfalfa chop, pure wheat bran, Porto Rico cane molasses, linseed oil meal (crushed cake), B.S. mineral mixture (a combination of edible bone meal, calcium carbonate, dicalcium phosphate, potassium iodide and salt).
	F.	12.08	3.19	5.60	11.29	8.43	59.41	
Blue Seal Improved All Mash Ration	G.	15.00	4.00	5.00	.....	.....	.....	Coarse ground no. 2 yellow corn, fine ground heavy oats, pure wheat bran, wheat flour middlings, high grade meat scraps, high grade fish meal, dried sweet cream buttermilk with riboflavin supplement, dehydrated alfalfa leaf meal, corn gluten meal, Porto Rico cane molasses, calcium carbonate, salt, fortified A and D feeding oil with D-activated animal sterol.
	F.	17.51	4.13	5.09	10.03	7.36	55.88	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Blue Seal Special 20% Dairy Ration	G.	20.00	4.00	11.00	.....	.....	.....	Choice cottonseed meal, soybean oil meal, corn oil meal, malt sprouts, corn gluten feed, oat feed, wheat bran and middlings, hominy feed, linseed oil meal (crushed cake), corn distillers' grains, Porto Rico cane molasses, B.S. mineral mixture (a combination of edible bone meal, calcium carbonate, dicalcium phosphate, potassium iodide, salt).
	F.	21.89	4.46	10.39	8.78	7.94	46.54	
Blue Seal Succulent Feed	G.	10.00	1.50	18.00	.....	.....	.....	Dehydrated alfalfa chop, beet pulp, dried citrus pulp, Porto Rico cane molasses, linseed oil meal (crushed cake), oat feed, hominy feed, malt sprouts, wheat bran and middlings, B.S. mineral mixture (edible bone meal, calcium carbonate, dicalcium phosphate, potassium iodide, salt).
	F.	13.92	2.65	14.60	8.24	10.49	50.10	
Wilmington Packing Co., Woburn, Mass.								
Phoenix Blended Fish Meal	G.	55.00	8.00	.....	.....	.....	.....	
	F.	56.56	9.03	.....	7.44	24.02	.....	

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